



MAG[®]

Lubricants

Inside Engineering

PRODUCT CATALOGUE
2015/2016





MAG LUBE (L.L.C)

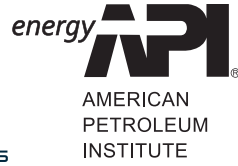
Grease & Lubricants Blending

Technopark, Jebel Ali
Dubai - UAE

PRODUCT CATALOGUE



Approved By:



MAG ULTRA PLUS SAE 15W40 API CI-4

Approved By:



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1 MISSION & VALUE PROPOSITION

MISSION STATEMENT

To lead a prosperous partner network driven by innovative lubricant technology and a deep understanding of our industry's needs.

VALUE PROPOSITION

MAG Lube develops high performance lubricants, fluids and coolants. With a state-of-the-art blending facility, we are at the heart of production in our chosen territories, meeting the growing demand for sustainable products and services and placing ourselves firmly *Inside Engineering*. We are creating a business network that, like our products, enhances efficiency, provides protection and boosts the long-term performance for our chosen partners.





MAG LUBE L.L.C. factory, located in Techno Park - Dubai, is another key milestone in MAG Group's history of successful growth. We developed a full solution for lubricant clients which includes product development, manufacturing, distribution in more than 65 countries around the world, selling and marketing 500 products bearing MAG seal.

MAG LUBE L.L.C. plays a major role in further strengthening MAG Group's position in regional markets like Middle East, Africa and Asia.

MAG LUBE L.L.C. was introduced in 1978. Since then we have witnessed significant developments crowned by building our own MAG LUBE Blending Plant which provides us further growing opportunities through outstanding production facilities.

With more than Thirty years of experience in satisfying and meeting our customer's needs, we continue to be committed to high ethical codes and full compliance in all aspects of our business.

We, at **MAG LUBE L.L.C.**, conduct our business according to latest technologies, highest measures of quality assurance and advanced logistic system in order to ensure premium quality and absolute customer satisfaction.

GASOLINE ENGINE OIL



MAG PRIMA EXTREME SAE 5W30



MAG PRIMA EXTREME SAE 5W30 is manufactured by latest technology using synthetic virgin base oil and advanced additives of ILSAC GF-5 performance level for low volatility to provide premium quality of lubricant. It has unique technique in providing full engine protection in all engine cycles (start up, warm up, and normal/up normal working condition).

Features & Benefits:

1. Remarkable detergent and dispersant properties.
2. Increase fuel economy by lowering oil consumption due to piston/ring design and oil viscosity.
3. Wear and Oxidation premium protection.
4. Easy and smooth start up at low temperatures.
5. Prevent formation of sludge and contamination.
6. Low particulate emissions due to ILSAC GF-5 technology.

Specification:

API: SN/ ILSAC GF-5

Application Of Use:

MAG PRIMA EXTREME SAE 5W30 It is used for all light and commercial vehicles with direct injection, turbo charges, multi valves and normal engines; in general for low emission engines with high performance level, also, it is compatible for cars using lead free gasoline and catalytic converters. It has intelligent molecules that cling to critical engine parts and provide full protection and cleaning properties by controlling sludge and deposit formation on engine surfaces

Physical Characteristics	Test Method	Typical Value
		5W30
Density at 30°C, Kg/L	ASTM D 1298	0.85
Kinematic Viscosity		
At 40°C , cSt	ASTM D 445	67
At 100°C, cSt	ASTM D 445	11.5
Viscosity Index	ASTM D 2270	1702
Flash Point, [COC], °C	ASTM D 92	215
Pour Point, °C	ASTM D 97	-39
TBN, mg KOH/g	ASTM D-974	8.2

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG PRIMA EXTREME SAE 5W40

MAG PRIMA EXTREME SAE 5W40 is manufactured by latest technology using synthetic virgin base oil and advanced additives of ILSAC GF-5 performance level for low volatility to provide premium quality of lubricant. It has unique technique in providing full engine protection in all engine cycles (start up, warm up, and normal/up normal working condition).

Features & Benefits:

1. Remarkable detergent and dispersant properties.
2. Increase fuel economy by lowering oil consumption due to piston/ring design and oil viscosity.
3. Wear and Oxidation premium protection.
4. Easy and smooth start up at low temperatures.
5. Prevent formation of sludge and contamination.
6. Low particulate emissions due to ILSAC GF-5 technology
7. Prevent sludge and contamination.

Specification:

API: SN/ ILSAC GF-5

Application Of Use:

MAG PRIMA EXTREME SAE 5W40 It is used for all light and commercial vehicles with direct injection, turbo charges, multi valves and normal engines; in general for low emission engines with high performance level, also, it is compatible for cars using lead free gasoline and catalytic converters. It has intelligent molecules that cling to critical engine parts and provide full protection and cleaning properties by controlling sludge and deposit formation on engine surfaces protection and cleaning properties by controlling sludge and deposit formation on engine surfaces.



Physical Characteristics	Test Method	Typical Value
		5W40
Density at 30°C, Kg/L	ASTM D 1298	0.85
Kinematic Viscosity		
At 40°C , cSt	ASTM D 445	88.9
At 100°C, cSt	ASTM D 445	14.73
Viscosity Index	ASTM D 2270	174
Flash Point, [COC], °C	ASTM D 92	210
Pour Point, °C	ASTM D 97	-36
TBN, mg KOH/g	ASTM D-974	9.7

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



**MAG PRIMA ENERGY
SAE 10W30/10W40/20W50**

MAG PRIMA ENERGY SAE 10W30 / 10W40 / 20W50 is manufactured by latest technology using synthetic virgin base oil and advanced additives of ILSAC GF-5 performance level for low volatility to provide premium quality of lubricant. It has unique technique in providing full engine protection in all engine cycles (start up, warm up, and normal/up normal working condition).

Features & Benefits:

1. detergent and dispersant properties.
2. Increase fuel economy by lowering oil consumption due to piston/ring design and oil viscosity.
3. Wear and Oxidation premium protection.
4. Easy and smooth start up at low temperatures.
5. Prevent formation of sludge and contamination.
6. Low particulate emissions due to ILSAC GF-5 technology.

Specification:

API: SN/ ILSAC GF-5

Application Of Use:

MAG ENERGY SAE 10W30/10W40/20W50 It is used for all light and commercial vehicles with direct injection, turbo charges, multi valves and normal engines; in general for low emission engines with high performance level, also, it is compatible for cars using lead free gasoline and catalytic converters. It has intelligent molecules that cling to critical engine parts and provide full protection and cleaning properties by controlling sludge and deposit formation on engine surfaces.

Physical Characteristics	Test Method	Typical Value		
		SAE 5W20	SAE 10W30	SAE 20W50
Density at 30°C, Kg/L	ASTM D 1298	0.85	0.86	0.88
Kinematic Viscosity				
At 40°C , cSt	ASTM D 445	88.9	75	150
At 100°C, cSt	ASTM D 445	14.73	11.9	18.5
Viscosity Index	ASTM D 2270	174	155	124
Flash Point, [COC], °C	ASTM D 92	210	214	210
Pour Point, °C	ASTM D 97	-36	-39	-36
TBN, mg KOH/g	ASTM D-974	9.7	7.2	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG PRIMA ELITE SAE 0W20

MAG PRIMA ELITE SAE 0W20 is manufactured by latest technology using synthetic virgin base oil and advanced additives of ILSAC GF-5 performance level for low volatility to provide premium quality of lubricant. It has unique technique in providing full engine protection in all engine cycles (start up, warm up, and normal/up normal working condition).

Features & Benefits:

Remarkable detergent and dispersant properties.

1. Increase fuel economy by lowering oil consumption due to piston/ring design and oil viscosity.
2. Wear and Oxidation premium protection.
3. Easy and smooth start up at low temperatures.
4. Prevent formation of sludge and contamination.
5. Low particulate emissions due to ILSAC GF-5 technology



Specification:

API: SN/ ILSAC GF-5

Application Of Use:

MAG PRIMA ELITE SAE 0W20 It is used for all light and commercial vehicles with direct injection, turbo charges, multi valves and normal engines; in general for low emission engines with high performance level, also, it is compatible for cars using lead free gasoline and catalytic converters. It has intelligent molecules that cling to critical engine parts and provide full protection and cleaning properties by controlling sludge and deposit formation on engine surfaces.

Physical Characteristics	Test Method	Typical Value
		0W240
Density at 30°C, Kg/L	ASTM D 1298	0.83
Kinematic Viscosity		
At 40°C , cSt	ASTM D 445	44.4
At 100°C, cSt	ASTM D 445	8.49
Viscosity Index	ASTM D 2270	172
Flash Point, [COC], °C	ASTM D 92	214
Pour Point, °C	ASTM D 97	-42
TBN, mg KOH/g	ASTM D-974	8.7

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG SILK SMX-4 5W20

MAG SILK SMX-4 5W20 is fully synthetic high performance gasoline engine oil, blended with high quality base oil and advanced additives. The synthetic technology provides cleaning power and engine protection from wear and corrosion which extend oil drain interval. It is engine oil suitable for all modern cars engines where low viscosity and 5W20 viscosity grade is required by car manufacturer.

Features & Benefits:

1. High performance and lubrication at low temperatures especially at cold starts.
2. High protection against wear, corrosion.
3. Good dispersant and detergency.
4. Extended drain interval up to 15000 Km.
5. Reduces friction and fuel consumption.
6. Thermal and oxidation stability.
7. High viscosity index.

Specification:

API: SM, ILSAC GF-5,

Application Of Use:

MAG SILK SMX-4 5W20 recommended for use in all modern gasoline engines; turbo, supercharged, four valve car engines, where SAE 5W20 oil is recommended by manufacturer. Not recommended for 2-stroke engines.

Physical Characteristics	Test Method	Typical Value
SAE Grade	Visual	5W20
Appearance		bright & clear
Density at 15°C, Kg/L	ASTM D 1298	0.855
Kinematic Viscosity		
At 40°C , cSt	ASTM D 445	46
At 100°C, cSt	ASTM D 445	8.7
Viscosity Index	ASTM D 2270	155
Apparent Viscosity @-30°C, cP	ASTM D 5293	5000
Flash Point, [COC], °C	ASTM D 92	230
Pour Point, °C	ASTM D 97	-40
TBN, mg KOH/g	ASTM D 2896	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG SILK SPORT SMX-5 SAE 5W30

MAG SILK SPORT SMX-5 SAE 5W30 is a high performance synthetic multi-grade gasoline engine oil manufactured from high quality of Synthetic base oil and selected additives to formulate a multi-grade oil for most recent technology gasoline engines. It has recommended for all modern gasoline engines running in severe conditions, specially designed to meet the requirements of the most engine manufacturers. Recommended for petrol engines with normal four-stroke valve and turbo types with or without catalyst converter.

Features & Benefits

1. High thermal stability.
2. Protection from the most severe weather conditions.
3. Superior lubrication.
4. Good for high speed driving on motorways and town.
5. Extended oil drain interval.
6. Easy starting in extremely cold and hot water.
7. Stable oil pressure and high viscosity Index.
8. Maximum shear stability.
9. Reduce fuel consumption and exhaust emission.

Specification:

Performance Level API: SM/EC ACEA A3/B4
Meets the requirements: VW502.00/ 505.00,
MB 229.3, BMW Longlife-98 & Porsche, GM LL-B-025

Application Of Use

MAG SILK SPORT SMX-5 SAE 5W30 is recommended for all gasoline engines, for vehicles are operating under severe conditions, all year in the city and motorway. It is also recommended for use in modern gasoline engine where the manufacturer recommends SAE 5W30 oil.



Physical Characteristics	Test Method	Typical Value
SAE Grade		5W30
Density @ 15 °C, Kg/L	ASTM D-1298	0.856
Kinematic Viscosity, cSt		
At 40°C cSt	ASTM D-445	73.00
At 100°C cSt	ASTM D-445	12
Viscosity Index	ASTM D-2270	159
Apparent Viscosity @ -30°C, cP	ASTM D-5293	6400
Flash Point, COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-39
TBN, mg KOH/gm	ASTM D-2896	8.5

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG SILK PLUS SMX-6 SAE 5W40

MAG SILK PLUS SMX-6 SAE 5W40 is a high performance synthetic multi-grade gasoline engine oil manufactured from high quality of Synthetic base oil and selected additives to formulate a multi-grade oil for most recent technology gasoline engines. It is recommended for all modern gasoline engines running in severe conditions, specially designed to meet the requirements of the most engine manufacturers. Recommended for petrol engines with normal four stroke valve and turbo types with or without catalyst.

Features & Benefits

1. High thermal stability.
2. Protection from the most severe weather conditions.
3. Superior lubrication.
4. Good for high speed driving on motorways and town.
5. Extended oil drain interval.
6. Easy starting is extremely cold water.
7. Stable oil pressure and high viscosity index.
8. Maximum shear stability.
9. Reduce fuel consumption and exhaust emission.

Specification

Performance Level API: SM/ EC ACEA A3/B4
 Meets the requirements: VW502.00/ 505.00, MB 229.3, BMW Longlif - 01 & Porsche, PSA B712296

Application Of Use

MAG SILK PLUS SMX-6 SAE 5W40 is recommended for all gasoline engines, for vehicles are operating under severe conditions, all year in the city and motorway. It is also recommended for use in modern gasoline engine where the manufacturer recommends SAE 5W40 oil.

Physical Characteristics	Test Method	Typical Value
SAE Grade		5W40
Density @ 15°C, Kg/L	ASTM D-1298	0.865
Kinematic Viscosity, cSt		
At 40°C cSt	ASTM D-445	89.5
At 100°C cSt	ASTM D-445	14.7
Viscosity Index	ASTM D-2270	174
Apparent Viscosity @ -30°C cP	ASTM D-5293	6000
Flash Point, COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-36
TBN, mg KOH/gm	ASTM D-2896	8.5

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG SILK X-9000 SAE 10W30

SILK X-9000 SAE10W30 is a high performance semi-synthetic multi-grade gasoline engine oil, manufactured from high quality of synthetic & mineral base oil and selected additives to formulate a multi-grade oil for most recent technology gasoline engines. It is recommended for all modern gasoline engines running in severe conditions, specially designed to meet the requirements of the most engines manufacturers. Recommended for all petrol engines (multi-valve and turbo types with or without catalytic converter).

Performance Level:

API: SL, ACEA A3/B4

Meets The Requirements: VW 501.01/505 MB 229.1

Porsche & BMW

Additional Quality Features:

1. Good thermal stability.
2. Recommended for the most severe weather conditions.
3. Superior lubrication, reduce fuel consumption.
4. Good for high speed driving on motorways and town.
5. Extended oil drain interval.
6. Easy starting in extremely cold and hot weather.
7. High Viscosity Index.

Application Of Use:

SILK X-9000 SAE10W30 is recommended for all gasoline engines, for vehicles are operating under tough service conditions in the city and motorway. It is also recommended for use in turbo-charged or naturally aspirated diesel engines in cars and light vans.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		10W30
Density @ 15°C, Kg/L	ASTM D-1298	0.874
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	80
AT 100 °C cSt	ASTM D-445	12.5
Viscosity Index	ASTM D-2270	155
Apparent Viscosity @ -25°C, cP	ASTM D-5293	6500
Flash Point COC, °C	ASTM D-92	228
Pour Point, °C	ASTM D-97	-33
TBN, mg KOH/gm	ASTM D-2896	9

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG SILK X-9000 SAE 10W40

SILK X-9000 SAE10W40 is a high performance semi-synthetic multi-grade gasoline engine oil, manufactured from high quality of synthetic & mineral base oil and selected additives to formulate a multi-grade oil for most recent technology gasoline engines. It is recommended for all modern gasoline engines running in severe conditions, specially designed to meet the requirements of the most engines manufacturers. Recommended for all petrol engines (multi-valve and turbo types with or without catalytic converter).

Performance Level

API: SL, ACEA A3/B4

Meets The Requirements: VW 501.01/505 MB 229.1

Porsche & BMW

Additional Quality Features

1. Good thermal stability.
2. Recommended for the most severe weather conditions.
3. Superior lubrication, reduce fuel consumption.
4. Good for high speed driving on motorways and town.
5. Extended oil drain interval.
6. Easy starting in extremely cold and hot weather.
7. High Viscosity Index.

Application Of Use

SILK X-9000 SAE 10W40 is recommended for all gasoline engines, for vehicles are operating under tough service conditions in the city and motorway. It is also recommended for use in turbo-charged or naturally aspirated diesel engines in cars and light vans.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		10W40
Density @ 15°C, Kg/L	ASTM D-1298	0.88
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	105
AT 100 °C cSt	ASTM D-445	14.2
Viscosity Index	ASTM D-2270	155
Apparent Viscosity @ -25°C, cP	ASTM D-5293	6500
Flash Point COC, °C	ASTM D-92	232
Pour Point, °C	ASTM D-97	-33
TBN, mg KOH/gm	ASTM D-2896	9

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG SILK 8000 SAE 10W40

MAG SILK 8000 SAE 10W40 is a multigrade gasoline engine oil, manufactured from a high quality of base oil and selected additives to formulate a multi-grade oil for all recent technology gasoline engines and light cars diesel engines. It is recommended for all modern gasoline engines running in severe conditions, on high ways and inside the cities, it has anti-wear, anti-corrosion, anti-rust and anti-oxidant properties, suitable for vehicles equipped with catalyts converter.



Features & Benefits:

1. Lubricants for all season.
2. Fully compatible with catalytic converter.
3. Superior lubrication, reduce fuel consumption and extended engine life.
4. Good for high speed driving on motorway as well as city drive.
5. Extended oil drain interval.
6. Easy starting is extremely cold water.
7. Excellent thermal stability, good for operation in high temperature conditions.

Specification:

Performance Level API: SL, MIL-L-2104E, ACEA A3-98 B3-98/E-3
Meets Requirements: MB 229.1, VW 505.00

Application Of Use:

MAG SILK 8000 SAE 10W40 is recommended for modern gasoline and diesel engines, for vehicles equipped with catalyts converter for driving in the city and motorway. It is also recommended for use in turbocharged or naturally aspirated diesel engines in cars and light vans. Suitable for operation in all wheather conditions.

Physical Characteristics	Test Method	Typical Value
SAE Grade		10W40
Density @ 15°C, Kg/L	ASTM D-1298	0.87
Kinematic Viscosity, cSt		
At 40°C cSt	ASTM D-445	102
At 100°C cSt	ASTM D-445	14.5
Viscosity Index	ASTM D-2270	140
Apparent Viscosity @-25°C,cP	ASTM D-5293	6700
Flash Point, COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-33
TBN, mg KOH/g	ASTM D-2896	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG SILK 8000 SAE 15W40

MAG SILK 8000 SAE 15W40 is a multigrade gasoline engine oil, manufactured from a high quality of base oil and selected additives to formulate a multi-grade oil for all recent technology gasoline engines and light cars diesel engines. It is recommended for all modern gasoline engines running in severe conditions, on high ways and inside the cities, it has anti-wear, anti-corrosion, anti-rust and anti-oxidant properties, suitable for vehicles equipped with catalyts converter.

Features & Benefits

1. Lubricants for all season.
2. Fully compatible with catalytic converter.
3. Superior lubrication, reduce fuel consumption and extended engine life.
4. Good for high speed driving on motorway as well as city drive.
5. Extended oil drain interval.
6. Easy starting on extremely cold weather.
7. Excellent thermal stability, good for operation in high temperature conditions.

Specification

Performance Level API: SL, MIL-L-2104E, ACEA A3-98 B3-98/E-3

Application Of Use

MAG SILK 8000 SAE 15W40 is recommended for modern gasoline and diesel engines, for vehicles equipped with catalyst converter for driving in the city and motorway, Suitable for operation in all weather conditions.

Physical Characteristics	Test Method	Typical Value
SAE Grade		15W40
Density @ 15°C, Kg/L	ASTM D-1298	0.888
Kinematic Viscosity, cSt		
At 40°C cSt	ASTM D-445	118
At 100°C cSt	ASTM D-445	15.4
Viscosity Index	ASTM D-2270	135
Apparent Viscosity @-20°C, cP	ASTM D-5293	6700
Flash Point, COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-27
TBN, mg KOH/g	ASTM D-2896	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG SILK 8000 SAE 20W50

MAG SILK 8000 SAE 20W50 is a multigrade gasoline engine oil, manufactured from a high quality of base oil and selected additives to formulate a multi-grade oil for all recent technology gasoline engines and light cars diesel engines. It is recommended for all modern gasoline engines running in severe conditions, on high ways and inside the cities, it has anti-wear, anti-corrosion, anti-rust and anti-oxidant properties, suitable for vehicles equipped with catalyts converter.

Features & Benefits:

1. Lubricants for all season.
2. Fully compatible with catalytic converter.
3. Superior lubrication, reduce fuel consumption and extended engine life.
4. Good for high speed driving on motorway as well as city drive.
5. Extended oil drain interval.
6. Easy starting on extremely cold weather.
7. Excellent thermal stability, good for operation in high temperature conditions.

Specification:

Performance Level API: SL, MIL-L-2104E, ACEA A3-98 B3-98/E-3
Meets Requirements: MB 229.1, VW 505.00

Application Of Use:

MAG SILK 8000 SAE 20W50 is recommended for modern gasoline and diesel engines, for vehicles equipped with catalyst converter for driving in the city and motorway, Suitable for operation in all weather conditions.



Physical Characteristics	Test Method	Typical Value
SAE Grade		20W50
Density @ 15°C Kg/L	ASTM D-1298	0.894
Kinematic Viscosity, cSt		
At 40°C cSt	ASTM D-445	165
At 100°C cSt	ASTM D-445	18.6
Viscosity Index	ASTM D-2270	127
Apparent Viscosity @-15°C, cP	ASTM D-5293	9000
Flash Point, COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-27
TBN, mg KOH/g	ASTM D-2896	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG SILK 7000 SAE 20W50

MAG SILK 7000 SAE 20W50 is a multi-grade diesel and gasoline engines oil, manufactured from a high quality of base oil and selected additives to give very good engine protection. It has formulated for mild conditions, it has the anti-wear, anti-corrosion, anti-rust and anti-oxidant properties.

Features & Benefits

1. High thermal stability.
2. Perfect lubrication in all seasons.
3. Superior lubrication to reduce friction and has anti-wear, anti-corrosion properties.
4. Keep engine clean and cool even in high temperature.
5. Prevent parts sticking and consumption less oil.

Specification

Performance Level API: SF/CD, CCMC G2, MIL-L-46152 B.

Application Of Use

MAG SILK 7000 SAE 20W50 is suitable for use in diesel and gasoline engines, vehicles that are operating under tough service conditions in the city and high ways or bad roads.

Physical Characteristics	Test Method	Typical Value
SAE Grade		20W50
Density @ 15°C, Kg/L	ASTM D-1298	0.89
Kinematic Viscosity, cSt		
AT 40 °C, cSt	ASTM D-445	180
AT 100 °C, cSt	ASTM D-445	19.85
Viscosity Index	ASTM D-2270	130
Apparent Viscosity @-15°C, cP	ASTM D-5293	9000
Flash Point, COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-24
TBN, mg KOH/g	ASTM D-2896	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG SILK 4500 SAE 20W50

MAG SILK 4500 SAE 20W50 is a multi-grade diesel and gasoline engines oil, manufactured from a high quality of base oil and selected additives to give very good engine protection. It has formulated for mild conditions, it has the anti-wear, anti-corrosion, anti-rust and anti-oxidant properties.

Features & Benefits

1. High thermal stability.
2. Perfect lubrication in all seasons.
3. Superior lubrication to reduce friction and has anti-wear, anti-corrosion properties.
4. Keep engine clean and cool even in high temperature.
5. Prevent parts sticking and consumption less oil.

Specification

Performance Level API: SF/CD, CCMC G2, MIL-L-46152 B.

Application Of Use

MAG SILK 4500 SAE 20W50 is suitable for use in diesel and gasoline engines, vehicles that are operating under tough service conditions in the city and high ways or bad roads.



Physical Characteristics	Test Method	Typical Value
SAE Grade		20W50
Density @ 15°C, Kg/L	ASTM D-1298	0.89
Kinematic Viscosity, cSt		
AT 40 °C, cSt	ASTM D-445	180
AT 100 °C, cSt	ASTM D-445	19.85
Viscosity Index	ASTM D-2270	130
Apparent Viscosity @-15°C, cP	ASTM D-5293	9000
Flash Point, COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-24
TBN, mg KOH/g	ASTM D-2896	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG SILK 4000 SAE 20W50

SILK 4000 SAE 20W50 is a multigrade gasoline and diesel engines oil, manufactured from a high quality of base oil and selected additives to give very good engine protection. It has formulated for mild conditions, it has the anti-wear, anti-corrosion, anti-rust and anti-oxidant properties.

Features & Benefits

1. High thermal stability.
2. Perfect lubrication in all seasons.
3. Superior lubrication to reduce friction and has anti-wear, anti-corrosion properties.
4. Keep engine clean and cool, it is designed for high temperature weather.

Specification

Performance Level API: SF/CC, CCMCG2, MIL-L-46152 B.

Application Of Use

SILK 4000 SAE 20W50 is recommended for use in gasoline and diesel engines, for light buses and vans which are operating under tough service conditions in the city and high ways.

Physical Characteristics	Test Method	Typical Value
SAE Grade		20W50
Density @ 15°C, Kg/L	ASTM D-1298	0.89
Kinematic Viscosity, cSt		
AT 40 °C, cSt	ASTM D-445	180
AT 100 °C, cSt	ASTM D-445	19.85
Viscosity Index	ASTM D-2270	124
Apparent Viscosity @-15°C, cP	ASTM D-5293	9000
Flash Point, COC, °C	ASTM D-92	245
Pour Point, °C	ASTM D-97	-24
TBN, mg KOH/g	ASTM D-2896	7

Note: All figures may vary slightly.

MAG SILK 3800 SAE 50

SILK 3800 SAE 50 is a mono-grade gasoline and diesel engines oil, manufactured from a high quality of base oil and selected additives to give very good engine protection. It has formulated for mild conditions, it has the anti-wear, anti-corrosion, anti-rust, and anti-oxidant properties.

Features & Benefits

1. Protection against wear, rust and oxidation.
2. Excellent high temperature stability.
3. Good detergent, dispersant properties.

Specification

Performance Level
API: SF/CD
MIL-L-46152 B

Application Of Use

SILK 3800 SAE 50 is recommended for use in gasoline and diesel engines, in passenger car, vans and mini buses that are operating under mild service conditions and for material handling machines.



Physical Characteristics	Test Method	Typical Value
SAE Grade		50
Density @ 15°C, Kg/L	ASTM D-1298	0.9
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	215
AT 100 °C cSt	ASTM D-445	19.8
Viscosity Index	ASTM D-2270	95
Flash Point, COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-9
TBN, mg KOH/gm	ASTM D-2896	7.0

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG SILK 3500 SAE 40



SILK 3500 SAE 40 is a mono-grade gasoline engine oil, manufactured from a high quality of base oil and selected additives to give very good engine protection. It has formulated for mild conditions, it has the anti-wear, anti-corrosion, anti-rust, and anti-oxidant properties.

Features & Benefits

1. Protection against wear, rust and oxidation.
2. Excellent high temperature stability.
3. Good detergent, dispersant properties.

Specification:

Performance Level
 API: SF/CD
 MIL-L-46152 B

Application Of Use

SILK 3500 SAE 40 is recommended for use in gasoline and diesel engines, in passenger car are operating under mild service conditions and for material handling machines.

Physical Characteristics	Test Method	Typical Value
SAE Grade		40
Density @ 15°C, Kg/L	ASTM D-1298	0.895
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	172.5
AT 100 °C cSt	ASTM D-445	16
Viscosity Index	ASTM D-2270	102
Flash Point, COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-18
TBN, mg KOH/gm	ASTM D-2896	7.0

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG SILK 2000 SAE 40

SILK 2000 SAE 40 is a monograde gasoline engine oil, manufactured from a high quality of base oil and selected additives to give good engine protection. It is formulated for mild operational conditions, it has the anti-wear, anti-corrosion, anti-rust and anti-oxidant properties.

Features & Benefits

1. Protection against wear, rust and oxidation.
2. Excellent high temperature stability.
3. Good detergent / dispersant properties.

Specification:

Performance Level API: SC/CC

Application Of Use

SILK 2000 SAE 40 is recommended for use in gasoline engines, for light vehicles are operating under mild service conditions and for material handling machines.



Physical Characteristics	Test Method	Typical Value
SAE Grade		40
Density @ 15°C, Kg/L	ASTM D-1298	0.895
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	177
AT 100 °C cSt	ASTM D-445	15.50
Viscosity Index	ASTM D-2270	98
Flash Point, COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-9

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG SILK 2500 SAE 50

MAG SILK 2500 SAE 50 is a monograde gasoline and diesel engines oil, manufactured from a high quality of base oil and selected additives to give good protection against engine deposits. It is formulated for mild operational conditions, it has the anti-wear, anti-corrosion, anti-rust, and anti-oxidant properties.

Features & Benefits

1. Protection against wear, rust and oxidation.
2. Excellent high temperature stability.
3. Good detergent, dispersant properties.

Specification

Performance level API: SC/CC.

Application Of Use

MAG SILK 2500 SAE 50 is recommended for use in gasoline and diesel engines, for light vehicles are operating under mild service conditions and for material handling machines.

Physical Characteristics	Test Method	Typical Value
SAE Grade		50
Density @ 15°C, Kg/L	ASTM D-1298	0.897
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	214
AT 100 °C cSt	ASTM D-445	19.50
Viscosity Index	ASTM D-2270	111
Flash Point, COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	- 9

Note: All figures may vary slightly.

DIESEL ENGINE OIL



MAG ULTRA MAX SAE 15W40



ULTRA MAX SAE 15W40 is a high performance engine oil for application of all unsupercharged engines, turbo engines and highly stressed diesel engines. Because of the low ashes content, this oil can be used also for petrol engines. The compounds of unconventional base oils, synthetic components and special additives guarantee fairly long oil change intervals and high wear protection.

Performance Level:

API: CJ-4/SL MIL-L-2104E ACEA E7-08, ALLISON C-4.
 Approved by: Volvo VDS-3, Mack EO-N, Renault VI RLD-2
 Approval Number: 417-0002-14-863

Meets The Requirements:

MAN M3275, MB 228.3,
 CATERPILLAR ECF-1A ECF-2 MTU TYPE 2.

Additional Quality Features:

1. Convincing detergent – and dispersant properties.
2. Very good oxidation stability.
3. Low volatilization tendency.
4. Excellent aging stability.
5. Extremely high pressure susceptibility.
6. Very good cold starting properties.
7. High viscosity index.

Application Of Use:

ULTRA MAX 15W40 is recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars, heavy duty equipment and generators, for both on and off highway use for short and long distances.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		15W40
Density @ 15 °C, kg/L	ASTM D-1298	0.889
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	125
AT 100 °C cSt	ASTM D-445	15.80
Viscosity Index	ASTM D-2270	140
Apparent Viscosity @ -20°C, cP	ASTM D-5293	6500
Flash Point COC, °C	ASTM D-92	227
Pour Point, °C	ASTM D-97	-30
TBN, mg KOH/gm	ASTM D-2896	11.0

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA POWER SEMI-SYN

MAG ULTRA POWER SEMI-SYN SAE 15W40 is a high performance engine oil for application of all unsupercharged engines, turbo engines and highly stressed diesel engines. Because of the low ashes content, this oil can be used also for petrol engines. The compounds of unconventional base oils, synthetic components and special additives guarantee fairly long oil change intervals and high wear protection.

Performance Level:

API: CI-4/SL MIL-L-2104E ACEA E3/B4/E7, ALLISON C-4.

Meets The Requirements:

CATERPILLAR ECF-1A ECF-2 MTU TYPE 2,
MAN M3275, MB 228.3, MACK EO-N, VOLVO VDS-3,
Renault VI RLD-2.

Additional Quality Features:

1. Convincing detergent – and dispersant properties.
2. Very good oxidation stability.
3. Low volatilization tendency.
4. Excellent aging stability.
5. Extremely high pressure susceptibility.
6. Very good cold starting properties.
7. High viscosity index.
8. Excellent internal engines cleanliness and extra long drain.

Application Of Use:

MAG ULTRA POWER SEMI-SYN SAE 15W40 is recommended for use in heavy duty loaded turbo. .charged and naturally diesel engines in commercial light vehicles, vans, passenger cars and heavy duty service, for both on and off highway use for short and long distances.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE	TYPICAL VALUE
SAE Grade		10W40	15W40
Density @ 15 °C, kg/L	ASTM D-1298	0.890	0.890
Kinematic Viscosity, cSt			
AT 40 °C cSt	ASTM D-445	118	118
AT 100 °C cSt	ASTM D-445	15.80	15.80
Viscosity Index	ASTM D-2270	140	140
Apparent Viscosity @ -15°C, cP	ASTM D-5293	6450	6450
Flash Point COC, °C	ASTM D-92	224	224
Pour Point, °C	ASTM D-97	-27	-27
TBN, mg KOH/gm	ASTM D-2896	11	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG ULTRA PLUS SAE 15W40

ULTRA PLUS SAE 15W40 is a high performance engine oil for application of all unsupercharged engines, turbo engines and highly stressed diesel engines. Because of the low ashes content, this oil can be used also for petrol engines. The compounds of unconventional base oils, synthetic components and special additives guarantee fairly long oil change intervals and high wear protection.

Performance Level:

API: CI-4/SL MIL-L-2104E ACEA E7-08, ALLISON C-4.
Approved by: Volvo VDS-3, Mack EO-N, Renault VI RLD-2
Approval Number: 417-0002-14-863

Meets The Requirements:

MAN M3275, MB 228.3,
CATERPILLAR ECF-1A ECF-2 MTU TYPE 2.

Additional Quality Features:

1. Convincing detergent – and dispersant properties.
2. Very good oxidation stability.
3. Low volatilization tendency.
4. Excellent aging stability.
5. Extremely high pressure susceptibility.
6. Very good cold starting properties.
7. High viscosity index.

Application Of Use:

ULTRA PLUS 15W40 is recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars, heavy duty equipment and generators, for both on and off highway use for short and long distances.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		15W40
Density @ 15 °C, kg/L	ASTM D-1298	0.889
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	125
AT 100 °C cSt	ASTM D-445	15.80
Viscosity Index	ASTM D-2270	140
Apparent Viscosity @ -20°C, cP	ASTM D-5293	6500
Flash Point COC, °C	ASTM D-92	227
Pour Point, °C	ASTM D-97	-30
TBN, mg KOH/gm	ASTM D-2896	11.0

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 10 SAE 15W40

ULTRA 10 SAE 15W40 is a multi grade super heavy duty diesel engine oil. It is manufacture from a high quality of base stocks and selected additives to give excellent detergency and dispersancy.

Feature & Benefits

It is specially formulated for severe conditions, it has a good quality alkalinity reserve to neutralized the acidic effect of high sculpture fuel for diesel engines.

Performance Level

API: CH4/SJ MIL-L-2104E ACEA E2
Meets The Requirements: MAN M3275, MB 228.3,
MACK EO-L, (VOLVO VDS2), ALLISON C-4,

Additional Quality Features

1. It has good detergent, dispersant additives to control deposit formation of combustion products.
2. Protection agints wear and rust prevention.
3. Oxidation stability at very high temperature.
4. Excellent internal engines cleanliness and extra long drain.
5. It has a good stability against sulfur in the diesel fuel.
6. Reduce fuel cost with less maintenance cost.

Application Of Use

ULTRA 10 SAE 15W40 is recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars, heavy duty equipment and generators, for both on and off highway use for short and long distances.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		15W40
Density @ 15 °C, kg/L	ASTM D-1298	0.890
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	118
AT 100 °C cSt	ASTM D-445	15.80
Viscosity Index	ASTM D-2270	140
Apparent Viscosity @ -15°C, cP	ASTM D-5293	6450
Flash Point COC, °C	ASTM D-92	224
Pour Point, °C	ASTM D-97	-27
TBN, mg KOH/gm	ASTM D-2896	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 10 SAE 20W50



ULTRA 10 SAE 20W50 is a multigrade super heavy duty diesel engine oil. It is manufacture from a high quality of base stocks and selected additives to give excellent detergency and dispersancy. It is specially formulated for severe conditions, it has a good quality alkalinity reserve to neutralized the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CH4/SJ MIL-L-2104E ACEA E2

Additional Quality Features

1. It has good detergent, dispersant additives to control deposit formation of combustion products.
2. Protection againts wear and rust prevention.
3. Oxidation stability at very high temperature.
4. Excellent internal engines cleanliness and extra long drain.
5. It has a good stability against sulfur in the diesel fuel.
6. Reduce fuel cost with less maintenance cost.
7. High viscosity index.
8. Good Lubrication in all weather condition.

Application Of Use

ULTRA 10 SAE 20W50 is recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars and heavy duty service, when high viscosity is required for both on and off highway use for short and long distances.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		20W50
Density @ 15 °C, kg/L	ASTM D-1298	0.896
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	180
AT 100 °C cSt	ASTM D-445	19.7
Viscosity Index	ASTM D-2270	124
Flash Point COC, °C	ASTM D-92	220
Apparent Viscosity @ -15°C, cP	ASTM D-5293	9000
Pour Point, °C	ASTM D-97	-27
TBN, mg KOH/gm	ASTM D-2896	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 9 SAE 15W40, SAE 20W50

ULTRA 9 SAE 15W40, SAE 20W50 are multi grade super heavy duty diesel engine oil. It is manufacture from a high quality of base stocks and selected additives to give excellent detergency and dispersancy. It is specially formulated for severe conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CF4/SG MIL-L-2104E ACEA E2

Meets the requirements:

MAN M271, MB 228.1, MACK EO-L, VOLVO VDS,
ALLISON C-4, CATERPILLAR TO 2

Additional Quality Features

1. It has good detergent, dispersant additives to control deposit formation of combustion.
2. Good viscosity index.
3. Oxidation stability at very high temperature.
4. Excellent internal engines cleanliness and extra long drain.
5. It has a good stability against sulfur in the diesel fuel.
6. Reduce fuel cost with less maintenance cost.
7. Multi-grade for all weather conditions.

Application Of Use

ULTRA 9 SAE 15W40, SAE 20W50 are recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars and heavy duty service, for both on and off highway use for short and long distances.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE	TYPICAL VALUE
SAE Grade		15W40	20W50
Density @ 15 °C, kg/L	ASTM D-1298	0.888	0.897
Kinematic Viscosity, cSt	ASTM D-445	114	175
AT 40 °C cSt	ASTM D-445	15.1	19.3
AT 100 °C cSt			
Viscosity Index	ASTM D-2270	138	127
Apparent Viscosity @ -20°C, cP	ASTM D-5293	6600	8500
Flash Point COC, °C	ASTM D-92	225	240
Pour Point, °C	ASTM D-97	-27	-27
TBN, mg KOH/gm	ASTM D-2896	11	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 8 SAE 10W



ULTRA 8 SAE 10W is a monograde extra heavy duty diesel engine oil, it is formulated from high quality of base stock and selected additives to give excellent detergency and dispersancy. It is specially formulated for severe conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CF/SF MIL-L-2104D
 MIL-L-46152B CCMC D2/D3/PD1

Additional Quality Features

1. It has good level of detergency, disperant additives to control deposit formation of combustion products.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness and longer engine life.
5. Excellent oxidation protection at high temperature.

Application Of Use

ULTRA 8 SAE 10W is recommended for use in heavy duty equipment in certain hydraulic system where manufacturer is required light viscosity oil and for material handling machines.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		10W
Density @ 15 °C, kg/L	ASTM D-1298	0.86
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	37
AT 100 °C cSt	ASTM D-445	6.0
Viscosity Index	ASTM D-2270	126
Apparent Viscosity @ -25°C, cP	ASTM D-5293	6600
Flash Point COC, °C	ASTM D-92	225
Pour Point, °C	ASTM D-97	-33
TBN, mg KOH/gm	ASTM D-2896	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 8 SAE 30

ULTRA 8 SAE 30 is a monograde extra heavy duty diesel engine oil, it is formulated from high quality of base stock and selected additives to give excellent detergency and dispersancy. It is specially formulated for severe conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level:

API: CF/SF MIL-L-2104D
MIL-L-46152B CCMC D2/D3/PD1

Additional Quality Features:

1. It has good level of detergence, disperant additives to control deposit formation of combustion products.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness and longer engine life.
5. Excellent oxidation protection at high temperature.



Application Of Use:

ULTRA 8 SAE 30 is recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars, and heavy duty service for both on/off roads, use for diesel stationary engines.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		30
Density @ 15 °C, kg/L	ASTM D-1298	0.893
Kinematic Viscosity, cSt	ASTM D-445	102
AT 40 °C cSt	ASTM D-445	11.6
AT 100 °C cSt		
Viscosity Index	ASTM D-2270	102
Flash Point COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-18
TBN, mg KOH/gm	ASTM D-2896	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 8 SAE 40



ULTRA 8 SAE 40 is a monograde extra heavy duty diesel engine oil, it is formulated from high quality of base stock and selected additives to give excellent detergency and dispersancy. It is specially formulated for severe conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CF/SF MIL-L-2104D
 MIL-L-46152B CCMC D2/D3/PD1

Additional Quality Features

1. It has good level of detergency, disperant additives to control deposit formation of combustion products.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness and longer engine life.
5. Excellent oxidation protection at high temperature.

Application Of Use

ULTRA 8 SAE 40 is recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars, generators and heavy duty service for both on/off roads, use for diesel stationary engines.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density @ 15 °C, kg/L	ASTM D-1298	0.899
Kinematic Viscosity, cSt	ASTM D-445	160
AT 40 °C cSt	ASTM D-445	15.65
AT 100 °C cSt		
Viscosity Index	ASTM D-2270	98
Flash Point COC, °C	ASTM D-92	245
Pour Point, °C	ASTM D-97	-15
TBN, mg KOH/gm	ASTM D-2896	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 8 SAE 50

ULTRA 8 SAE 50 is a monograde extra heavy duty diesel engine oil, it is formulated from high quality of base stock and selected additives to give excellent detergency and dispersancy. It is specially formulated for severe conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CF/SF MIL-L-2104D

MIL-L-46152B CCMC D2/D3/PD1

Additional Quality Features

1. It has good level of detergence, disperant additives to control deposit formation of combustion products.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness and longer engine life.
5. Excellent oxidation protection at high temperature.

Application Of Use

ULTRA 8 SAE 50 is recommended for use in heavy duty loaded turbo charged and naturally diesel engines in commercial light vehicles, vans, passenger cars, generators and heavy duty service for both on/off roads, use for diesel stationary engines.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		50
Density @ 15 °C, kg/L	ASTM D-1298	0.908
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	215
AT 100 °C cSt	ASTM D-445	19.5
Viscosity Index	ASTM D-2270	99
Flash Point COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-9
TBN, mg KOH/gm	ASTM D-2896	11

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 5 HD 40 SAE 40



ULTRA 5 HD 40 SAE 40 is a monograde heavy duty diesel engine oil, manufactured from a high quality of base oil and selected additives to give excellent detergency and dispersancy.

Feature & Benefits

It is specially formulated for moderate operating conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CD/SF MIL-L-2104D
 MIL-L-46152B/C

Additional Quality Features

1. It has good level of detergency and dispersancy.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness.
5. Excellent oxidation protection at high temperature.

Application Of Use

ULTRA 5 HD 40 SAE 40 is recommended for use in a heavy duty diesel engines, for vehicles trucks buses, vans operating on off road and high ways.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density @ 15 °C, kg/L	ASTM D-1298	0.896
Kinematic Viscosity, cSt		160
AT 40 °C, cSt	ASTM D-445	15.5
AT 100 °C, cSt	ASTM D-445	
Viscosity Index	ASTM D-2270	97
Flash Point COC, °C	ASTM D-92	245
Pour Point, °C	ASTM D-97	-15
TBN, mg KOH/gm	ASTM D-2896	10

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 6 HD 50 SAE 50

ULTRA 6 HD 50 SAE 50 is a monograde diesel engine oil, manufactured from a high quality of base oil and selected additives to give excellent detergency and dispersancy.

Feature & Benefits:

It is specially formulated for moderate conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level:

API: CD/SF MIL-L-2104D
MIL-L-46152B/C

Additional Quality Features:

1. It has good level of detergency and dispersancy.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness.
5. Excellent oxidation protection at high temperature.

Application Of Use:

ULTRA 6 HD 50 SAE 50 is recommended for use in a diesel turbocharged and normally aspirated engines, for vehicle, trucks, buses and earth moving equipment operating on/off road and high ways and generators.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		50
Density @ 15 °C, kg/L	ASTM D-1298	0.896
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	220
AT 100 °C cSt	ASTM D-445	19.3
Viscosity Index	ASTM D-2270	98
Flash Point COC, °C	ASTM D-92	256
Pour Point, °C	ASTM D-97	-9
TBN, mg KOH/gm	ASTM D-2896	10

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 6 SUPER HD 40/50

ULTRA 6 SUPER HD 40/50 is a monograde diesel engine oil, manufactured from a high quality of base oil and selected additives to give excellent detergency and dispersancy.

Feature & Benefits

It is specially formulated for moderate conditions, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CD/SF MIL-L-2104D
MIL-L-46152B/C

Additional Quality Features

1. It has good level of detergency and dispersancy.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness.
5. Excellent oxidation protection at high temperature.

Application Of Use

ULTRA 6 SUPER HD 40/50 is recommended for use in a diesel turbocharged and normally aspirated engines, for vehicle, trucks, buses and earth moving equipment operating on/off road and high ways and for material handling machines, generators.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		50
Density @ 15 °C, kg/L	ASTM D-1298	0.90
Kinematic Viscosity, cSt		
AT 40 °C, cSt	ASTM D-445	178
AT 100 °C, cSt	ASTM D-445	17.50
Viscosity Index	ASTM D-2270	97
Flash Point COC, °C	ASTM D-92	245
Pour Point, °C	ASTM D-97	-9
TBN, mg KOH/gm	ASTM D-2896	10

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 4 SAE 10W

ULTRA 4 SAE 10W is a monograde diesel engine oil, it is formulated from a high quality of base stock and selected additives to give excellent detergency and dispersancy, it has a good quality alkalinity reserve to neutralize the acidic effect of high sulphur fuel for diesel engines.

Performance Level

API: CD
MIL-L-2104D, MIL-L-46152B
CCMC D2/D3/PD1

Additional Quality Features

1. It has good detergent, dispersant additives to control deposit formation of combustion products.
2. Protection against wear and rust prevention.
3. Excellent high temperature stability.
4. Excellent internal engines cleanliness and longer engine life.
5. Excellent oxidation protection at high temperature.

Application Of Use

ULTRA 4 SAE 10W is recommended for use in vans, light machineries, engines required low viscosity and in certain hydraulic system according to manufacturers recommendation.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		10W
Density @ 15 °C, kg/L	ASTM D-1298	0.884
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	40
AT 100 °C cSt	ASTM D-445	6.3
Viscosity Index	ASTM D-2270	104
Apparent Viscosity @ -25°C, cP	ASTM D-5293	6666
Flash Point COC, °C	ASTM D-92	216
Pour Point, °C	ASTM D-97	-33
TBN, mg KOH/gm	ASTM D-2896	8

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 1 SAE 40



ULTRA 1 SAE 40 is a monograde diesel engine oil, manufactured from a high quality of base oil and selected additives to give good protection. To provide excellent detergency and dispersancy. It has a good quality alkalinity reserve to neutralized the acidic effect of high sulfur fuel for diesel engine.

Feature & Benefits

It is specially formulated for mild conditions, it has the anti-wear, anti-corrosion, anti-rust, and anti-oxidant properties.

Performance Level

API: CC/SC

Additional Quality Features:

1. Protection against wear and rust prevention.
2. Excellent high temperature stability.
3. High stability in operation.

Application Of Use

ULTRA 1 SAE 40 is recommended for use in diesel engines, for vehicles, vans and light trucks operating under heavy duty service conditions and for generators.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density @ 15 °C, kg/L	ASTM D-1298	0.894
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	160
AT 100 °C cSt	ASTM D-445	15.5
Viscosity Index	ASTM D-2270	98
Flash Point COC, °C	ASTM D-92	245
Pour Point, °C	ASTM D-97	-9

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ULTRA 2 HD 50 SAE 50

ULTRA 2 HD 50 SAE 50 is a mono grade diesel engine oil, manufactured from a high quality of base oil and selected additives to give good protection. To provide excellent detergency and Dispersancy. It has a good Quality alkalinity reserve to neutralized the acidic effect of high sulfur fuel for diesel engine.

Feature & Benefits

It is specially formulated for mild conditions, it has a properties like anti-wear, anti-corrosion, anti-rust, and anti-oxidant.

Performance Level

API: CC/SC

Additional Quality Features

1. Protection against wear, rust and oxidation.
2. Excellent high temperature stability.
3. High stability in operation.

Application Of Use

ULTRA 2 HD 50 SAE 50 is recommended for use in diesel engines, for vehicles, trucks and vans operating under under heavy duty service conditions and generators.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		50
Density @ 15 °C, kg/L	ASTM D-1298	0.894
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	214
AT 100 °C cSt	ASTM D-445	19.3
Viscosity Index	ASTM D-2270	102
Flash Point COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-9

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

AUTOMOTIVE GEAR AND TRANSMISSION OIL





MAG TRANS HD 905 80W90

MAG Trans HD 905 80W90 Gear Oil GL 5 SAE 80W90 is manufactured from a high quality virgin base oil and selected Extreme Pressure (EP) additives which will allow maximum protection for the wide range of automotives transmissions, axle and final drive.

Performance Level:

API: GL 5 MIL -L-2105 B, C, D
Meets requirements: ZF-TE-ML 05A. 07A 12E, 16B/C/D

Additional Quality Features:

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention under most severe conditions.
3. Extreme Pressure properties.
4. Excellent seal compatibility.
5. High thermal and oxidation stability.

Application Of Use:

MAG Trans HD 905 80W90 Gear Oil GL 5 SAE 80W90 is recommended for gear boxes, transfer boxes and axles, where extreme pressure requirements from engine manufactures is needed.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		80W90
Density @ 15 °C, kg/L	ASTM D-1298	0.903
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	190
AT 100 °C cSt	ASTM D-445	17.4
Viscosity Index	ASTM D-2270	98
Flash Point COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-27
TAN, mg KOH/g	ASTM D-974	0.90

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG TRANS HD 1405 85W140

MAG Trans HD 1405 85W140 Gear Oil GL 5 SAE 85W140 is manufactured from a high quality virgin base oil and selected Extreme Pressure (EP) additives which will allow maximum protection for the wide range of automotives transmissions, axle and final drive.

Performance Level:

API: GL 5 MIL -L-2105 B, C, D

Meets requirements: ZF-TE-ML 05A. 07A 12F, 168/C10

Additional Quality Features:

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention under most severe conditions.
3. Extreme Pressure properties.
4. Excellent seal compatibility.
5. High Thermal and oxidation stability.

Application Of Use:

MAG Trans HD 1405 85W140 Gear Oil GL 5 SAE 85W140 is recommended for gear boxes, transfer boxes and axles, where extreme pressure requirements from engine manufactures is needed.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		85W140
Density @ 15 °C, kg/L	ASTM D-1298	0.89
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	330
AT 100 °C cSt	ASTM D-445	26
Viscosity Index	ASTM D-2270	96
Flash Point COC, °C	ASTM D-92	238
Pour Point, °C	ASTM D-97	-15
TAN, mg KOH/g	ASTM D-974	0.90

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG TRANS EP 904 GL-4 SAE 90

Trans EP 904 GL-4 Gear Oil SAE 90 is manufactured from a high quality of base oil and selected advance extreme pressure EP additives which it will allow maximum protection for automotives gears.

Performance Level

API: GL 4 MIL-L-2105 B, C, D

Additional Quality Features

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention under most severe conditions.
3. Extreme pressure properties.

Application Of Use

Trans EP 904 GL-4 Gear Oil SAE 90 is recommended for gear oil, transfer boxes and axles wheel which extreme pressure requirements are recommended.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		SAE 90
Density @ 15 °C, kg/L	ASTM D-1298	0.9
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	229
AT 100 °C cSt	ASTM D-445	19.90
Viscosity Index	ASTM D-2270	101
Flash Point COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-15
TAN, mg KOH/g	ASTM D-974	0.35

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG TRANS EP 904 SAE 85W90

Trans EP 904 Gear Oil SAE 85W90 is manufactured from a high quality of base oil and selected advance extreme pressure EP additives which it will allow maximum protection for automotives gears.

Performance Level

API: GL 4 MIL-L-2105

Additional Quality Features

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention under most severe conditions.
3. Extreme pressure properties.
4. High Thermal and Oxidation stability.

Application Of Use

Trans EP 904 Gear Oil SAE 85W90 is recommended for gear oil, transfer boxes and axles wheel which extreme pressure requirements are recommended.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		SAE 85W90
Density @ 15 °C, kg/L	ASTM D-1298	0.9
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	229
AT 100 °C cSt	ASTM D-445	19.90
Viscosity Index	ASTM D-2270	101
Flash Point COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-15
TAN, mg KOH/g	ASTM D-974	0.35

Note: All figures may vary slightly.

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG TRANS EP 1404 GL-4 SAE 140

Trans EP 1404 Gear Oil GL 4 SAE 140 is manufactured from a high quality virgin base oil and selected Extreme Pressure EP additives which will allow maximum protection for the wide range of automotives transmissions, axle and final drive.

Performance Level:

API: GL 4 MIL-L-2105

Additional Quality Features:

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention under most severe conditions.
3. Extreme pressure properties.
4. High thermal and oxidation stability.

Application Of Use:

Trans EP 1404 Gear Oil GL 4 SAE 140 is recommended for gear boxes, transfer boxes and axles, where extreme pressure requirements from manufactures is needed.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		140
Density @ 15 °C, kg/L	ASTM D-1298	0.91
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	440
AT 100 °C cSt	ASTM D-445	29.6
Viscosity Index	ASTM D-2270	95
Flash Point COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-12
TAN, mg KOH/g	ASTM D-974	0.35

Note: All figures may vary slightly.

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG EP 1404 GL-4 SAE 85W140

MAG Trans EP 1404 Gear Oil GL-4 SAE 85W140 is manufactured from a high quality virgin base oil and selected Extreme Pressure (EP) additives which will allow maximum protection for the wide range of automotives transmissions, axle and final drive.

Performance Level:

API: GL -4 MIL -L-2105

Additional Quality Features:

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention under most severe conditions.
3. Extreme pressure properties.
4. High thermal and oxidation stability.

Application Of Use:

MAG Trans EP 1404 Gear Oil GL-4 SAE 85W140 is recommended for gear boxes, transfer boxes and axles, where extreme pressure requirements from engine manufactures is needed.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		85W140
Density @ 15 °C, kg/L	ASTM D-1298	0.91
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	426
AT 100 °C cSt	ASTM D-445	29
Viscosity Index	ASTM D-2270	96
Flash Point COC, °C	ASTM D-92	235
Pour Point, °C	ASTM D-97	-18
TAN, mg KOH/g	ASTM D-974	0.35

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG TRANS 901 SAE 90

MAG Trans 901 Gear Oil SAE 90 is manufactured from a high quality virgin base oil to provide good protection for Automotive Gears.

Performance Level

API: GL-1

Additional Quality Features

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention.

Application Of Use

Trans 901 Gear Oil SAE 90 is recommended for Gear Oil where no specific requirements from vehicle manufactures is needed. It is designed for transmissions operating under mild condition and low pressure.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		90
Density @ 15 °C, kg/L	ASTM D-1298	0.90
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	279
AT 100 °C cSt	ASTM D-445	20.5
Viscosity Index	ASTM D-2270	92
Flash Point COC, °C	ASTM D-92	250
Pour Point, °C	ASTM D-97	-9

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG TRANS 1401 SAE 140

MAG Trans 1401 Gear Oil SAE 140 is manufactured from a high quality virgin base oil to provide good protection for the Automotive Gears.

Performance Level

API: GL-1

Additional Quality Features

1. It has good level of corrosion resistance and foam properties.
2. Protection against wear and rust prevention for mild condition.

Application Of Use

MAG Trans 1401 Gear Oil SAE 140 is recommended for gear oil where no specific requirements from vehicle manufactures is needed. It is designed for transmissions operating under mild condition and low pressure.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		140
Density @ 15 °C, kg/L	ASTM D-1298	0.905
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	460.0
AT 100 °C cSt	ASTM D-445	29.80
Viscosity Index	ASTM D-2270	90
Flash Point COC, °C	ASTM D-92	285
Pour Point, °C	ASTM D-97	-6

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG TRANS POWER TO-4 SAE 30

MAG Trans POWER TO-4 SAE 30 is manufactured from a high quality virgin base oil specifically designed for powershift transmissions, final drive and wet brakes, it is formulated with special additives to provide excellent properties.

Performance Level:

API: CF-2/CF Caterpillar TO-4 KOMATSU, KES, 07.868.1, ALLISON C-4 ZF TE-ML 03.

Additional Quality Features:

1. Excellent protection against Bore Polishing.
2. Very good anti-foam, anti-wear and anti corrosion properties.
3. High thermal and oxidation stability.
4. Extended drain intervals.

Application Of Use:

MAG Trans POWER TO-4 SAE 30 is recommended for transmission oil where no specific requirements from equipment manufacturers when heavy load is required like Caterpillar, Komatsu, and ZF.

CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		SAE 30
Density @ 15 °C, kg/L	ASTM D-1298	0.899
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	101
AT 100 °C cSt	ASTM D-445	11.0
Viscosity Index	ASTM D-2270	95
Flash Point COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-30
TBN, mg KOH/g	ASTM D-2896	8.2

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG TRANS POWER TO-4 SAE 50

MAG Trans POWER TO-4 SAE 50 is manufactured from a high quality virgin base oil specifically designed for powershift transmissions, final drive and wet brakes, it is formulated with special additives to provide excellent properties.

Performance Level:

API: CF-2 Caterpillar TO-4 KOMATSU KES 07.868.1 ALLISON C-4 ZF TE-ML 03.

Additional Quality Features:

1. Excellent protection against Bore Polishing.
2. Very good anti-foam, anti-wear and anti corrosion properties.
3. High thermal and oxidation stability.
4. Extended drain intervals.

Application Of Use:

MAG Trans POWER TO-4 SAE 50 is recommended for transmission oil where no specific requirements from equipment manufacturers when heavy load is required like Caterpillar, Komatsu, and ZF.



CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		SAE 50
Density @ 15 °C, kg/L	ASTM D-1298	0.91
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	265
AT 100 °C cSt	ASTM D-445	20.5
Viscosity Index	ASTM D-2270	92
Flash Point COC, °C	ASTM D-92	270
Pour Point, °C	ASTM D-97	-15
TBN, mg KOH/g	ASTM D-2896	8.2

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG ATF - 3

MAG ATF-3 is formulated to provide smooth shifting in the automatic and semi-automatic transmission due to high quality of base oil and the advance additives technology is used in the formulation.

Feature & Benefits

Provide excellent lubrication in automatic and semi-automatic transmission, low friction characteristic to meet GENERAL MOTORS Dexron III requirements, Cat TO-2, Ford Mecron, DB236.6.

Specification

Meets GENERAL MOTORS Dexron III, ALLISON C-4, Cat TO-2, Sperry Vickers, Ford Mecron, D.B. 236.6

Additional Quality Features

1. Smoother shift in transmission.
2. Very high viscosity index.
3. Very low pour point.
4. Friction properties to provide longer transmission life.
5. Single product for all types of automatic transmissions.
6. Easy start in cold weather and very good operating and shifting during hot weather.

Application Of Use

MAG ATF-3 is recommended for automatic and semi-automatic transmission and torque converters of passenger cars, light commercial vehicles, when the manufacturer requires an ATF Dexron III specification, it is also suitable for power steering system and hydraulic systems on farm tractors and heavy equipments.

Physical Characteristics	Test Method	Typical Value
Color	ASTM D-1500	Red
Density @ 15 °C, kg/L	ASTM D-1298	0.85
Kinematic Viscosity, cSt		
AT 40 °C, cSt	ASTM D-445	37
AT 100 °C, cSt	ASTM D-445	7.50
Viscosity Index	ASTM D-2270	185
Flash Point COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-42
Brookfield Viscosity@-40°C, cP	ASTM D-2983	19616

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ATF - 2

MAG ATF-2 is a mineral based transmission fluid. Its formulated to provide smooth shifting in the automatic and semi-automatic transmission due to high quality of base oil and the additives used in the formulation.

Specification

Provides excellent lubrication in automatic and semi-automatic transmission, low friction characteristic to meet GENERAL MOTORS Dexron II requirements, Cat TO-2, Ford Mecron, DB236.6

Feature & Benefits

Provides excellent lubrication in automatic and semi-automatic transmission with low friction characteristic to meet GENERAL MOTORS Type A Sufx A requirements.

Additional Quality Features

1. Smoother shift in transmission.
2. Very high viscosity index.
3. Very low pour point.
4. Friction properties to provide longer transmission life.
5. Single product for all types of automatic transmissions.

Application Of Use

MAG ATF-2 is recommended for automatic and semi-automatic transmission and torque converters of passenger cars, light commercial vehicles, when the manufacturer requires an ATF Dexron II specification, it is also suitable for power steering system and hydraulic systems on farm tractors and heavy equipments.



Physical Characteristics	Test Method	Typical Value
Color	ASTM D-1500	Red
Density @ 15 °C, kg/L	ASTM D-1298	0.87
Kinematic Viscosity, cSt		
AT 40 °C, cSt	ASTM D-445	41
AT 100 °C, cSt	ASTM D-445	7.8
Viscosity Index	ASTM D-2270	165
Flash Point COC, °C	ASTM D-92	216
Pour Point, °C	ASTM D-97	-42
Brookfield Viscosity@-40°C, cP	ASTM D-2983	48000

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG ATF - 1

MAG ATF-1 is an automatic transmission fluid formulated from high quality of base oil and selected additives to meet ATF type A suffix A requirements and to provide good lubrication in automatic and semi-automatic transmission.

Specification

Meets General Motors TYPE A SUFFIX A.

Feature & Benefits

Provides excellent lubrication in automatic and semi-automatic transmission with low friction characteristic to meet GENERAL MOTORS Type A Suffix A requirements.

Additional Quality Features

1. It has good level of corrosion resistance and foam properties.
2. Very high viscosity index.
3. Very low pour point.
4. Friction properties to meet the requirements of type A Suffix A.

Application Of Use

MAG ATF-1 is recommended for automatic and semi-automatic and torque converters of passenger cars, light commercial vehicles when manufacturer requires an ATF meets GM TYPE A SUFFIX A.

Physical Characteristics	Test Method	Typical Value
Color	ASTM D-1500	Red
Density @ 15 °C, kg/L	ASTM D-1298	0.873
Kinematic Viscosity, cSt		
AT 40 °C, cSt	ASTM D-445	40.3
AT 100 °C, cSt	ASTM D-445	7.45
Viscosity Index	ASTM D-2270	150
Flash Point COC, °C	ASTM D-92	216
Pour Point, °C	ASTM D-97	-42
Brookfield Viscosity@-40°C, cP	ASTM D-2983	58000

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

INDUSTRIAL OIL





MAG HYDEN AW ISO 22

MAG HYDEN AW ISO 22 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level

DIN 51524 Part II HLP

Meets and Exceeds the Requirements:

Sperry Vickers, Demison HF-2, Lucas, AFNOR NFE 48-603, US Steel 127,130

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN 22 ISO 22 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 22
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.871
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	22.5
AT 100 °C cSt	ASTM D-445	4.4
Viscosity Index	ASTM D-2270	104
Demulsibility @ 54 °C, Minutes	ASTM D-1401	20
Flash Point, COC, °C	ASTM D-92	210
Pour Point, °C	ASTM D-97	-24
TAN, mg KOH/g	ASTM D-974	0.3

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG HYDEN AW ISO 32

MAG HYDEN AW ISO 32 manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level:

DIN 51524 Part III HLP

AFNOR NFE 48-608 US STEEL 127, 136 ISO III 58 SJ VICKER

Meets and exceeds the Requirements:

Sperry Vickers, Demison HF-2, Lucas, AFNOR NFE 48-603

Additional Quality Features:

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use:

MAG HYDEN AW ISO 32 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 32
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.874
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	31.00
AT 100 °C cSt	ASTM D-445	5.30
Viscosity Index	ASTM D-2270	104
Demulsibility @ 54 °C, Minutes	ASTM D-1401	20
Flash Point, COC, °C	ASTM D-92	218
Pour Point, °C	ASTM D-97	-21
TAN, mg KOH/g	ASTM D-974	0.3

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG HYDEN AW ISO 37

MAG HYDEN AW ISO 37 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level
DIN 51524 Part II HLP

Meets and Exceeds the Requirements:
Sperry Vickers, Demison HF-2, Lucas, AFNOR NFE 48-603, US Steel 127,130

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN AW ISO 37 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 37
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.875
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	37.6
AT 100 °C cSt	ASTM D-445	5.85
Viscosity Index	ASTM D-2270	98
Demulsibility @ 54 °C, Minutes	ASTM D-1401	20
Flash Point, COC, °C	ASTM D-92	220
Pour Point, °C	ASTM D-97	-21
TAN, mg KOH/g	ASTM D-974	0.3

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG HYDEN AW ISO 46

MAG HYDEN AW ISO 46 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level

DIN 51524 Part II HLP

Meets and Exceeds the Requirements:

Sperry Vickers, Demison HF-2, Lucas, AFNOR NFE 48-603, US Steel 127,130

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN AW ISO 46 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 46
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.882
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	47
AT 100 °C cSt	ASTM D-445	6.74
Viscosity Index	ASTM D-2270	98
Demulsibility @ 54 °C, Minutes	ASTM D-1401	25
Flash Point, COC, °C	ASTM D-92	238
Pour Point, °C	ASTM D-97	-21
TAN, mg KOH/g	ASTM D-974	0.3

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG HYDEN ISO 68



MAG HYDEN ISO 68 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level:

DIN 51524 Part III HLP
 AFNOR NFE 48-608 US STEEL 127, 136 ISO III 58 SJ VICKER

Meets and exceeds the Requirements:

Sperry Vickers, Demison HF-2, Lucas, AFNOR NFE 48-603

Additional Quality Features:

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use:

MAG HYDEN ISO 68 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 68
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.88
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	69.2
AT 100 °C cSt	ASTM D-445	8.60
Viscosity Index	ASTM D-2270	95
Demulsibility @ 54 °C, Minutes	ASTM D-1401	25
Flash Point, COC, °C	ASTM D-92	235
Pour Point, °C	ASTM D-97	-15
TAN, mg KOH/g	ASTM D-974	0.3

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG HYDEN AW ISO 100

MAG HYDEN AW ISO 100 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level

DIN 51524 Part II HLP

Meets and Exceeds the Requirements:

Sperry Vickers, Demison HF-2, Lucas, AFNOR NFE 48-603, US Steel 127,130

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN AW ISO 100 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 100
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.89
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	102
AT 100 °C cSt	ASTM D-445	11.0
Viscosity Index	ASTM D-2270	95
Demulsibility @ 82 °C, Minutes	ASTM D-1401	20
Flash Point, COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-12
TAN, mg KOH/g	ASTM D-974	0.30

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG HYDEN AW ISO 150, 220, 320

MAG HYDEN AW ISO 150, 220, 320 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level
DIN 51524 Part II HLP

Meets and Exceeds the Requirements:
Sperry Vickers, Demison HF-2, Lucas, AFNOR NFE 48-603, US Steel 127,130

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN AW ISO 150, 220, 320 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE	TYPICAL VALUE	TYPICAL VALUE
ISO Grade		150	220	320
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear
Density at 30°C, Kg/L	ASTM D-1298	0.885	0.886	0.887
Kinematic Viscosity, cSt				
At 40°C, cSt	ASTM D-445	151	222	322
At 100°C, cSt	ASTM D-445	14.35	18.5	23.5
Viscosity Index	ASTM D-2270	92	92	92
Demulsibility at 82°C, Minutes	ASTM D-1401	20	22	24
Flash Point, [COC], °C	ASTM D-92	250	256	260
Pour Point, °C	ASTM D-97	-15	-12	-9
TAN, mg KOH/g	ASTM D-974	0.3	0.3	0.3

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG HYDEN HVI ISO 32

MAG HYDEN HVI ISO 32 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level

DIN 51524 Part III HLVP

Meets and Exceeds the Requirements:

Sperry Vickers, Demison HF-1, Lucas, AFNOR NFE 48-603, US Steel 127,136

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN HVI ISO 32 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 32
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.872
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	32.5
AT 100 °C cSt	ASTM D-445	6.5
Viscosity Index	ASTM D-2270	160
Demulsibility @ 54 °C, Minutes	ASTM D-1401	15
Flash Point, COC, °C	ASTM D-92	210
Pour Point, °C	ASTM D-97	-39
TAN, mg KOH/g	ASTM D-974	0.3

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG HYDEN HVI ISO 46

MAG HYDEN HVI ISO 46 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level

DIN 51524 Part III HVLP

Meets and exceeds the Requirements

Sperry Vickers, Demison HF-1, Lucas, AFNOR NFE 48-603 US Steel 127, 136

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN HVI ISO 46 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 46
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.876
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	47
AT 100 °C cSt	ASTM D-445	8.4
Viscosity Index	ASTM D-2270	160
Demulsibility @ 54 °C, Minutes	ASTM D-1401	19
Flash Point, COC, °C	ASTM D-92	218
Pour Point, °C	ASTM D-97	-36
TAN, mg KOH/g	ASTM D-974	0.30

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG HYDEN HVI ISO 68

MAG HYDEN HVI ISO 68 Hydraulic Oil manufactured from a high quality of virgin base oils combined with anti-wear additives and rust inhibitors, to provide high stable premium hydraulic fluids with quality reserve for excellent performance under severe operating condition in mobile industrial service.

Performance Level

DIN 51524 Part III HVLP

Meets and exceeds the Requirements

Sperry Vickers, Demison HF-1, Lucas, AFNOR NFE 48-603 US Steel 127, 136

Additional Quality Features

1. Cleaner servo valves, less chances for sticking.
2. Superior thermal stability, avoid the formation of sludge even at high temperature.
3. Superior filterability increases filter life.
4. Multi- metal compatibility under wet and dry conditions.
5. Good demulsibility ensuring rapid water separation in the case of water getting into the circuit.
6. Excellent protection against rust and corrosion insuring maximum equipment life.
7. Rapid air release property minimizes chances of pump cavitation leading troubles for operations.

Application Of Use

MAG HYDEN HVI ISO 68 Hydraulic Oil is recommended for all mobile and stationary hydraulic system operating under severe conditions, it's also can be used in circulation, splash and ring oil Lubricants system, compressors where recommended.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		ISO 68
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.883
Kinematic Viscosity, cSt		
AT 40 °C cSt	ASTM D-445	67.7
AT 100 °C cSt	ASTM D-445	11.4
Viscosity Index	ASTM D-2270	164
Demulsibility @ 54 °C, Minutes	ASTM D-1401	15
Flash Point, COC, °C	ASTM D-92	222
Pour Point, °C	ASTM D-97	-30
TAN, mg KOH/g	ASTM D-974	0.30

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG ROTAN IGO EP ISO 68

MAG ROTAN IGO EP ISO 68 is made from high quality virgin base oil and unique additives to be used in enclosed industrial gears and bearings.

Features & Benefits:

1. Excellent extreme pressure and anti-wear, anti-rust and corrosion properties.
2. Good thermal and chemical stability.
3. Superior economical products for general industrial gear purpose application.
4. Good seal compatibility.
5. Excellent load carrying capability.
6. Helps resisting deposit formations.

Specification:

Meets the requirements of DIN 51517 Part 3.
ISO 12925-ICKC, US Steel 224, David Brown S2.53.101

Application Of Use:

MAG ROTAN IGO EP ISO 68 is recommended for use in enclosed gears operating under severe conditions, level and spur gears, bearings, couplings and worm gears. It is also used for general purpose in the system where heavy losses are high.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		EP 68
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.89
Kinematic Viscosity, cSt		
At 40 °C, cSt	ASTM D-445	68
At 100 °C, cSt	ASTM D-445	8.50
Viscosity Index	ASTM D-2270	95
Flash Point, COC, °C	ASTM D-92	230
Pour Point, °C	ASTM D-97	-15
TAN mg KOH/g.	ASTM D-974	0.24

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ROTAN IGO EP ISO 100

MAG ROTAN IGO EP ISO 100 is made from high quality virgin base oil and unique additives to be used in enclosed industrial gears and bearings.

Features & Benefits:

1. Excellent extreme pressure and anti-wear, anti-rust and corrosion properties.
2. Good thermal and chemical stability.
3. Superior economical products for general industrial gear purpose application.
4. Good seal compatibility.
5. Excellent load carrying capability.
6. Helps resisting deposit formations.

Specification:

Meets the requirements of DIN 51517 Part 3.
ISO 129925-ICKC, US Steel 224, David Brown S2.53.101

Application Of Use:

MAG ROTAN IGO EP ISO 100 is recommended for use in enclosed gears operating under severe conditions, level and spur gears, bearings, couplings and worm gears. It is also used for general purpose in the system where heavy losses are high.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		EP 100
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.895
Kinematic Viscosity, cSt		
At 40°C, cSt	ASTM D-445	100
At 100°C, cSt	ASTM D-445	11.00
Viscosity Index	ASTM D-2270	95
Flash Point, COC, °C	ASTM D-92	238
Pour Point, °C	ASTM D-97	-12
TAN mg KOH/g.	ASTM D-974	0.24

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG ROTAN IGO EP ISO 150

MAG ROTAN IGO EP ISO 150 is made from high quality virgin base oil and unique additives to be used in enclosed industrial gears and bearings.

Features & Benefits:

1. Excellent extreme pressure and anti-wear, anti-rust and corrosion properties.
2. Good thermal and chemical stability.
3. Superior economical products for general industrial gear purpose application.
4. Good seal compatibility.
5. Excellent load carrying capability.
6. Helps resisting deposit formations.

Specification:

Meets the requirements of DIN 51517 Part 3.
ISO 12925-ICKC, US Steel 224, David Brown S2.53.101

Application Of Use:

MAG ROTAN IGO EP ISO 150 is recommended for use in enclosed gears operating under severe conditions, level and spur gears, bearings, couplings and worm gears. It is also used for general purpose in the system where heavy losses are high.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		EP 150
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.90
Kinematic Viscosity, cSt		
At 40°C, cSt	ASTM D-445	154
At 100°C, cSt	ASTM D-445	15.00
Viscosity Index	ASTM D-2270	95
Flash Point, COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-12
TAN mg KOH/g.	ASTM D-974	0.24

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ROTAN IGO EP ISO 220

MAG ROTAN IGO EP ISO 220 is made from high quality virgin base oil and unique additives to be used in enclosed industrial gears and bearings.

Features & Benefits:

1. Excellent extreme pressure and anti-wear, anti-rust and corrosion properties.
2. Good thermal and chemical stability.
3. Superior economical products for general industrial gear purpose application.
4. Good seal compatibility.
5. Excellent load carrying capability.
6. Helps resisting deposit formations.

Specification:

Meets the requirements of DIN 51517 Part 3.
ISO 12925-ICKC, US Steel 224, David Brown S2.53.101

Application Of Use:

MAG ROTAN IGO EP ISO 220 is recommended for use in enclosed gears operating under severe conditions, level and spur gears, bearings, couplings and worm gears. It is also used for general purpose in the system where heavy losses are high.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		EP 220
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.904
Kinematic Viscosity, cSt		
At 40°C, cSt	ASTM D-445	220
At 100°C, cSt	ASTM D-445	18.70
Viscosity Index	ASTM D-2270	95
Flash Point, COC, °C	ASTM D-92	240
Pour Point, °C	ASTM D-97	-12
TAN mg KOH/g.	ASTM D-974	0.24

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG ROTAN IGO EP ISO 320

MAG ROTAN IGO EP ISO 320 is made from high quality virgin base oil and unique additives to be used in enclosed industrial gears and bearings.

Features & Benefits:

1. Excellent extreme pressure and anti-wear, anti-rust and anti-corrosion properties.
2. Good thermal and chemical stability.
3. Superior economical products for general industrial gear purpose application.
4. Good seal compatibility.
5. Excellent load carrying capability.
6. Helps resisting deposit formations.

Specification:

Meets the requirements of DIN 51517 Part 3.
ISO 129925-ICKC, US Steel 224, David Brown S2.53.101

Application Of Use:

MAG ROTAN IGO EP ISO 320 is recommended for use in enclosed gears operating under severe conditions, level and spur gears, bearings, couplings and worm gears. It is also used for general purpose in the system where heavy losses are high.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		EP 320
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.907
Kinematic Viscosity, cSt		
At 40°C, cSt	ASTM D-445	320
At 100°C, cSt	ASTM D-445	25
Viscosity Index	ASTM D-2270	95
Flash Point, COC, °C	ASTM D-92	270
Pour Point, °C	ASTM D-97	-12
TAN mg KOH/g.	ASTM D-974	0.24

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG ROTAN IGO EP ISO 460

MAG ROTAN IGO EP ISO 460 is made from high quality virgin base oil and unique additives to be used in enclosed industrial gears and bearings.

Features & Benefits:

1. Excellent extreme pressure and anti-wear, anti-rust and corrosion properties.
2. Good thermal and chemical stability.
3. Superior economical products for general industrial gear purpose application.
4. Good seal compatibility.
5. Excellent load carrying capability.
6. Helps resisting deposit formations.

Specification:

Meets the requirements of DIN 51517 Part 3.
ISO 12925-ICKC, US Steel 224, David Brown S2.53.101

Application Of Use:

MAG ROTAN IGO EP ISO 460 is recommended for use in enclosed gears operating under severe conditions, level and spur gears, bearings, couplings and worm gears. It is also used for general purpose in the system where heavy losses are high.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
ISO Grade		EP 460
Appearance	Visual	Bright & Clear
Density @ 15 °C, kg/L	ASTM D-1298	0.91
Kinematic Viscosity, cSt		
At 40°C, cSt	ASTM D-445	460
At 100°C, cSt	ASTM D-445	31
Viscosity Index	ASTM D-2270	98
Flash Point, COC, °C	ASTM D-92	280
Pour Point, °C	ASTM D-97	-9
TAN mg KOH/g.	ASTM D-974	0.24

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MARINE OIL



MAG AQUALUB 3030 / SAE 30 TBN 30



MAG Auqalub 3030 is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

Performance Level:

Exceeds API: CF

Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

Application of Use:

MAG Auqalub 3030 recommended for use in new modern marine and stationary medium & low speed Diesel Engines using low residual fuels. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		30
Density at 15 °C, g/cc	ASTM D 4052	0.915
Viscosity Index	ASTM D 2270	96
Kinematic viscosity at 40 °C	ASTM D 445	103.7
Kinematic viscosity at 100 °C	ASTM D 445	11.9
Flash Point (COC)	ASTM D 92	232
Pour Point °C	ASTM D 97	-18
TBN, mg-KOH/g	ASTM D 2896	30

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG AQUALUB 3040 / SAE 30 TBN 40

MAG Auqalub 3040 is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

Performance Level:

Exceeds API: CF

Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

Application of Use:

MAG Auqalub 3030 recommended for use in new modern marine and stationary medium & low speed Diesel Engines using low residual fuels. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		30
Density at 15 °C, g/cc	ASTM D 4052	0.918
Viscosity Index	ASTM D 2270	98
Kinematic viscosity at 40 °C	ASTM D 445	110.4
Kinematic viscosity at 100 °C	ASTM D 445	12
Flash Point (COC)	ASTM D 92	240
Pour Point °C	ASTM D 97	-18
TBN, mg-KOH/g	ASTM D 2896	40

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.



MAG AUQUALUB 4030 / SAE 40 TBN 30

MAG Auqalub 4030 is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

Performance Level:

Exceeds API: CF

Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

Application of Use:

MAG Auqalub 4030 recommended for use in new modern marine and stationary medium & low speed Diesel Engines using low residual fuels. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density at 15 °C, g/cc	ASTM D 4052	0.915
Viscosity Index	ASTM D 2270	95
Kinematic viscosity at 40 °C	ASTM D 445	154.7
Kinematic viscosity at 100 °C	ASTM D 445	14.8
Flash Point (COC)	ASTM D 92	240
Pour Point °C	ASTM D 97	-15
TBN, mg-KOH/g	ASTM D 2896	30

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG AQUALUB 4040 / SAE 40 TBN 40

MAG Auqalub 4040 is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

Performance Level:

Exceeds API: CF

Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

Application of Use:

MAG Auqalub 4030 recommended for use in new modern marine and stationary medium & low speed Diesel Engines using low residual fuels. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density at 15 °C, g/cc	ASTM D 4052	0.921
Viscosity Index	ASTM D 2270	97
Kinematic viscosity at 40 °C	ASTM D 445	150
Kinematic viscosity at 100 °C	ASTM D 445	14.5
Flash Point (COC)	ASTM D 92	240
Pour Point °C	ASTM D 97	-15
TBN, mg-KOH/g	ASTM D 2896	40

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG AQUALUB 4045 / SAE 40 TBN 45



MAG Auqalub 4045 is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

Performance Level:

Exceeds API: CF

Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

Application of Use:

MAG Auqalub 4045 recommended for use in new modern marine and stationary medium & low speed Diesel Engines using low residual fuels. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density at 15 °C, g/cc	ASTM D 4052	0.925
Viscosity Index	ASTM D 2270	98
Kinematic viscosity at 40 °C	ASTM D 445	147.4
Kinematic viscosity at 100 °C	ASTM D 445	14.6
Flash Point (COC)	ASTM D 92	248
Pour Point °C	ASTM D 97	-15
TBN, mg-KOH/g	ASTM D 2896	45

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG AQUALUB 4050 / SAE 40 TBN 50

MAG Auqalub 4050 is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

Performance Level:

Exceeds API: CF

Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

Application of Use:

MAG Auqalub 4050 recommended for use in new modern marine and stationary medium & low speed Diesel Engines using low residual fuels. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.



PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density at 15 °C, g/cc	ASTM D 4052	0.927
Viscosity Index	ASTM D 2270	98
Kinematic viscosity at 40 °C	ASTM D 445	151
Kinematic viscosity at 100 °C	ASTM D 445	14.85
Flash Point (COC)	ASTM D 92	242
Pour Point °C	ASTM D 97	-15
TBN, mg-KOH/g	ASTM D 2896	50

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

MAG AQUALUB 4055 / SAE 40 TBN 55



MAG Aqualub 4045 is a trunk piston engine oils, it is formulated from high latest additives technology and high quality of base oils to meet the latest design of medium speed diesel engines burning residuals fuels in marine application and stationary engines.

Feature & Benefits:

It is specially designed to provide a higher stress level during continuous operation. It provide engine outstanding cleanness in all weather conditions and longer engine life.

Performance Level:

Exceeds API: CF

Additional Quality Features:

1. Excellent water resistance
2. Very good thermal and high temperature resistance.
3. Reduce build up deposits in the engine to provide reduction in the engine maintenance cost.
4. Double wear protection due to the oil film strength at high pressure during operation.
5. Very good viscosity control, oxidation resistance will less top-ups and no contamination with residual fuel.

Application of Use:

MAG Aqualub 4045 recommended for use in new modern marine and stationary medium & low speed Diesel Engines using low residual fuels. It meets most of the engine manufacturer, WÄRTSILÄ, Caterpillar, Yanmar, Daihatsu and MAN Diesel.

PHYSICAL CHARACTERISTICS	TEST METHOD	TYPICAL VALUE
SAE Grade		40
Density at 15 °C, g/cc	ASTM D 4052	0.925
Viscosity Index	ASTM D 2270	98
Kinematic viscosity at 40 °C	ASTM D 445	151
Kinematic viscosity at 100 °C	ASTM D 445	14.9
Flash Point (COC)	ASTM D 92	242
Pour Point °C	ASTM D 97	-15
TBN, mg-KOH/g	ASTM D 2896	55

Note: All figures may vary slightly.

Packing: | 205 Ltr. | 25 Ltr. | 20 Ltr. | 6x5 Ltr. | 4x5 Ltr. | 6x4 Ltr. | 4x4 Ltr. | 12x1 Ltr.

GREASE





LITHIUM GREASE EP 0, 1, 2, 3

MAG Lithium Grease EP is lithium soap base grease formulated from high quality paraffinic base oils along with balanced oxidation and rust inhibitors with extreme pressure additive. Suitable for loaded slide-ball-, and roller-bearings, wheel bearings, universal joints, chassis, and various shock loaded, and off road equipments for both wet and dry conditions.

Performance Level:

DIN 51502: KP0K-30, KP1K-30, KP2K-30, KP3K-20
ISO 6743-9

Additional Quality Features:

1. Excellent adhesion properties and seal bearing sealing against water, dust, contaminants.
2. Good thermal stability.
3. Excellent mechanical stability to avoid loss of consistency during operation.
7. Good protection against rust and corrosion.
8. Good water tolerance and adaptable to normal grease dispensing and centralized systems.

Application of Use:

MAG Lithium Grease EP is multi-functional extreme pressure grease for bearings to prevent rust and corrosion under high load conditions in many heavy duty industrial applications such as, steel mills, paper mills, heavy structural construction/fabrication industries, mining and automotive industries. It is recommended for use in flexible type gear couplings (EP 1).

PHYSICAL CHARACTERISTICS	TEST METHOD	EP 0	EP 1	EP 2	EP 3
Type of Soap		Lithium	Lithium	Lithium	Lithium
Appearance	Visual	Smooth & Homogenous	Smooth & Homogenous	Smooth & Homogenous	Smooth & Homogenous
Colour	Visual	Yellow	Yellow	Yellow	Yellow
Work Penetration at 25 °C	ASTM D 217/DIN 51818	355-385	310-340	265-295	220-250
Dropping Point 0 °C min	ASTM D 2265/DIN ISO 2176	180	180	180	180
Copper Strip Corrosion	ASTM D 4048	PASSED	PASSED	PASSED	PASSED

Note: All figures may vary slightly.

Packing: | 180 Kgs. | 15 Kgs. | 1 Kg. | 500 Gms. |

LITHIUM GREASE MP 2, 3

MAG Lithium Grease MP is multipurpose grease for general lubrication under normal loads and operating conditions manufactured from lithium complex soap base grease and high quality base oils along with selected additives for multi applications. Suitable for transport, agriculture, off road equipment, bearing and joints at normal load and operating temperature. It is recommended for some types of passenger car, light truck and leisure vehicle applications.

Performance Level:

DIN 51502: KP0K-30, KP1K-30, KP2K-30, KP3K-20
ISO 6743-9

Additional Quality Features:

1. Extended bearing life.
2. Good thermal and oxidation stability.
3. Excellent mechanical stability to avoid loss of consistency during operation.
4. Good protection against rust and corrosion.
5. Excellent pumpability.

Application of Use:

MAG Lithium Grease MP is multifunctional grease for bearings to prevent rust and corrosion in many industrial applications operating under normal loads and operation conditions. Recommended for use in steel plants, mining, cement and different engineering industries.



PHYSICAL CHARACTERISTICS	TEST METHOD	MP 2	MP 3
Type of Soap		Lithium	Lithium
Appearance	Visual	Smooth & Homogenous	Smooth & Homogenous
Colour	Visual	Brown	Brown
Work Penetration at 25 °C	ASTM D 217/DIN 51818	365-295	220-250
Dropping Point 0 °C min	ASTM D 2265/DIN ISO 2176	180	180
Copper Strip Corrosion	ASTM D 4048	PASSED	PASSED

Note: All figures may vary slightly.

Note: All figures may vary slightly.

Packing: | 180 Kgs. | 15 Kgs. | 1 Kg. | 500 Gms. |



HANDLING AND STORING MAG LUBE PRODUCT

**PROPER HANDLING AND STORING
MAG LUBE PRODUCT**



LONG TERM PERIOD STOCKING



LONG TERM PERIOD STOCKING



SHORT TERM PERIOD STOCKING



SHORT TERM PERIOD STOCKING



STORING THE PRODUCT



STORING THE PRODUCT





GET IN TOUCH

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