



EVERLAST LUBRICANTS
PRODUCT CATALOG

PCMO | HDMO | TRANSMISSION | INDUSTRIAL | GREASE | TURBINE | MARINE



We offer Lubricants for Passenger Cars, Light & Heavy Duty and Severe Duty Engine Oil Industries for Example: Applications for Quick Lubes, Fleets, Construction, Mining, Agriculture, Buses, Gas and steam Turbines, Power Generation, Marine and Aviation Industries.

All Our Products are made with Highest Quality Best Base Oil and Additives to manufacture high quality Mineral, Synthetic Blend and Full Synthetic Lubricants. From passenger cars, Taxis, To Heavy & Severe Duty Applications.

Throughout the years we have specialized in developing private label from design to production for our customers. All our products are API Licensed, with Group I to VI and PAO base oils.

Our State of the art purchasing system from refineries that supply our products gives us the ability to pass on the savings by purchasing in Tank- ers and Rail Cars.

We also offer Totes and Flexi bags

PCMO | HDMO | TRANSMISSION | INDUSTRIAL | GREASE | TURBINE | MARINE



MOTOR OIL are formulated with the highest quality base oils and enhanced with the most advanced additive technology for performance in meeting the latest requirements for modern vehicles.

PCMO

FULL SYNTHETIC MOTOR OILS

FULL SYNTHETIC MOTOR OILS are formulated with the highest quality synthetic base oils and enhanced with the most advanced additive technology for ultimate performance in meeting the latest requirements for modern engines.

CUSTOMER BENEFITS

- Efficient cold weather starting due to excellent low temperature properties of the synthetic base oils.
- Clean engines and emission systems
- Long engine life due to extremely fast lubrication during starting
- Increased thermal and oxidation stability.
- Reduces formation of sludge and varnish deposits.
- Improves oil film strength and breakdown resistance.
- Lowers oil vaporization and consumption at extreme conditions.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	0W-20	5W-20	15W-30
GRAVITY, API	34.7	34	34
VIS, COLD CRANK, °C/POISE	-30/42	-30/37	-25/41
VIS, CST @ 40°C	47.0	60.0	61.0
VIS, CST @ 100°C	8.9	10.6	10.0
VISCOSITY INDEX	161	170	153
POUR POINT, °C(°F)	-42 (-44)	-42 (-44)	-38 (-38)
VISCOSITY, COLD CRANK, °C/POISE	-30 (-42)	-30 (-37)	-25 (-41)
VOLATILITY, NOACK, 250°C, 1 H EVAPO-RATION LOSS, %	11.5	13	7
PHOSPHORUS, WT %	0.076	0.077	0.077
ZINC, WT %	0.083	0.083	0.083

PCMO

SYN-BLEND MOTOR OILS

SYN-BLEND MOTOR OILS are made with a combination of synthetic and conventional base oils to provide better cold temperature performance over conventional motor oils.

CUSTOMER BENEFITS

- Strong antiwear protection.
- Excellent protection against thermal breakdown.
- Outstanding protection for turbocharged engines.
- Its advanced formula will keep your engine clean, rust-free and protected.
- API SN or GF-5 motor oil.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	5W-20	5W-30	10W-30	10W-40	20W-50
GRAVITY, API	33.2	34.1	31.8	30.86	29.0
VIS, COLD CRANK, °C/POISE	-30/50	-30/42	-25/41	-25/	-15/80
VIS, CST @ 40°C	46.4	60.2	63.5	89.87	160.2
VIS, CST @ 100°C	8.4	10.6	10.0	13.07	19.5
VISCOSITY INDEX (MIN)	150	165	145	145	130
FLASH POINT, °F (°C)	>392 (200)	>392 (200)	>392 (200)	>428 (220)	>401 (205)
POUR POINT, °F (°C)	-38 (-39)	-44 (-42)	-38 (-39)	-27 (-33)	-11 (-24)
SULFATED ASH, WT %	0.9	0.9	0.9	0.9	0.9
PHOSPHORUS, WT %	0.075	0.075	0.075	0.079	0.099
ZINC, WT %	0.082	0.083	0.082	0.085	0.110

GASOLINE 20W-50

GAS 20W-50 is a multigrade lubricant formulated with mineral Group II base oils and high quality additives, which provides extra performance for diesel and gasoline engines that have been converted to CNG Fuel Natural Gas as primary fuel or supplementary fuel.

CUSTOMER BENEFITS

- Strong antiwear protection gas and diesel.
- Excellent protection against thermal breakdown.
- Outstanding protection for turbocharged engines.
- Its advanced formula will keep your engine clean, rust-free and protected.
- Satisfies warranty requirements of cars, light trucks, and sports-utility vehicles specifying an SN.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	20W-50
VIS, CST @ 40°C	165
VIS, CST @ 100°C	17
VISCOSITY INDEX (MIN)	123
FLASH POINT, PMCC, C MIN	250
POUR POINT, (°C)	-33
DENSITY @ 15C, RELATIVE	0.877
T.B.N. ASTM D - 2826	8.2
SULPHATED ASH, WT%	0.8



MOTORCYCLE

4T 20W-50 MOTORCYCLE OIL

POTENZA 4T SYN BLEND 20W-50 MOTORCYCLE OIL Technology is a 4-stroke motorcycle oil specially formulated to provide outstanding, durable protection under severe, high torque, high stress conditions.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	METHOD	4T 20W-50
VISCOSITY, KINEMATIC, CST AT 40°C	ASTM D445	162
VISCOSITY, KINEMATIC, CST AT 100°C	ASTM D445	18.0
VISCOSITY INDEX	ISO 2909	120
FLASH POINT (COC) °C(°F)	ISO 2592	240 (454)
POUR POINT, °C(°F)	ISO 3016	-24 (-11.2)
DENSITY @ 15°C	ASTM D4052	890

CUSTOMER BENEFITS

- Premium Technology and special oil formulation help to remove deposits and keep oil viscosity for a longer time.
- Smooth clutch and superior gearbox optimized viscometrics for smoother clutch engagement and gear changes.
- It provides appropriate friction in clutch discs, preventing slipping and premature wear in the engine and transmission lubrication systems (wet clutch).
- Reduce vibration and damping engine noise.
- Delivers superior engine wear protection and high film strength for high revving motorcycle engines.
- Specialized additives help prevent against ringsticking and build-up of harmful deposits.
- Its viscosity ensures perfect lubrication in extreme conditions.
- Suitable for both motorcycles with dry and submerged clutches.
- High resistance to oxidation, protecting the engine from the high temperatures jaso MA MB.

4T – SYN BLEND 20W-50

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HEAVY DUTY ENGINE OILS
 high performance engine oil formulated to provide unsurpassed performance in diesel and 4-stroke gasoline engines, whether naturally aspirated or turbo charged.



HDEO

15W-40 CK-4 / SN

15W-40 ENGINE OIL API CK-4 / SN is our top of the line super high performance engine oil formulated to provide unsurpassed performance in diesel and 4-stroke gasoline engines, whether naturally aspirated or turbo charged. It is the universal oil that is designed for the mixed fleet. It meets or exceeds performance requirements for API service grades SL*,SJ*,CF*,CF2, CE*, CG-4, CH-4 and CI-4 as well as U.S. military specifications MIL-L 2104F, MIL-L46152E and most other engine oil specifications of the major engine manufacturers.

15 W 40 ENGINE OIL API CK-4 / SN is formulated from Premium North American Group II base oils and additives. 15 W-40 ENGINE OIL API CK-4 / SN has anti-wear protection, that significantly increases fuel economy, minimizes engine wear, and lowers engine-operating temperatures. Detergents minimize deposits and neutralize corrosive byproducts of combustion by providing the extra reserve alkalinity (TBN) to prevent rust and corrosion even when fuels containing high sulfur levels are in use. Shear- stable viscosity improving polymers impart improved viscometric characteristics for optimum performance and fuel economy during both cold starts and high operating temperatures in any climate. Antifoam agents

assure proper lubrication to all engine parts. Powerful antioxidants and dispersants prolong oil life and extend drain intervals

TYPICAL PHYSICAL CHARACTERISTICS

SAE GRADE	5W-40	15W-40
GRAVITY, API	32	29
FLASH POINT, °F	226°C	430
VIS, CST @ 40°C	102	104
VIS, CST @ 100°C	14.8	14
VISCOSITY INDEX	149	135
TBN, MG KOH/G	12	10
POUR POINT, °F	-45	-20
SULFATED ASH, WT.%	1.35	1.4

MOTOR OILS

15W-40 CJ4 / SN is a heavy duty gasoline and diesel engine oil for extended drain capability that meet the CJ-4 specification, providing the highest level of protection in severe on and off highway to modern, high performance diesel engines HTHS of 4.2

CUSTOMER BENEFITS

- Excellent soot-viscosity control
- Superior oxidation performance
- Synthetic Blend Formulation
- Universal product for mixed fleet operations
- Designed to optimize after-treatment service life in systems on 2007-and-newer trucks
- Minimizes valve train wear
- Excellent low temperature properties helps speed cold starts

TYPICAL PHYSICAL CHARACTERISTICS

SAE GRADE	SYN-BLEND 15W40 LE
TOTAL BASE NUMBER, MG KOH/G, ASTM D 2896	10
VIS, CST @ 40°C	110
VIS, CST @ 100°C	15
VISCOSITY INDEX ASTM D 2270	140
SULFATED ASH, WT% ASTM D 874	0.9
POUR POINT, °C, ASTM D 97	-35
FLASH POINT, °C, ASTM D 92	241
DENSITY @15 °C KG/L, ASTM D 4052	0.87

15W-40 CI - 4 PLUS

15W-40 ENGINE OIL API CI4+ CI-4/SN is one of our top line super high performance engine oil formulated to provide unsurpassed performance in diesel and 4-stroke gasoline engines, whether naturally aspirated or turbo charged. It is the universal oil that is designed for the mixed fleet. It meets or exceeds performance requirements for API service grades SL*,SJ*,CF*,CF2, CE*, CG-4, CH-4 and CI-4 as well as U.S. military specifications MIL-L 2104F, MIL-L46152E and most other engine oil specifications of the major engine manufacturers.

15 W 40 ENGINE OIL API CI4+ CI-4/SN is formulated from Premium North American Group II base oils and additives. 15 W-40 ENGINE OIL API CI4+ CI-4/SN has anti-wear protection, that significantly increases fuel economy, minimizes engine wear, and lowers engine-operating temperatures. Detergents minimize deposits and neutralize corrosive byproducts of combustion by providing the extra reserve alkalinity (TBN) to prevent rust and corrosion even when fuels containing high sulfur levels are in use. Shear- stable viscosity improving polymers impart improved viscometric characteristics for optimum performance and fuel economy during both cold

stars and high operating temperatures in any climate. Antifoam agents assure proper lubrication to all engine parts. Powerful antioxidants and dispersants prolong oil life and extend drain intervals.

TYPICAL PHYSICAL CHARACTERISTICS

SAE GRADE	15W-40
GRAVITY, API	29
FLASH POINT, °F	430
VIS, CST @ 40°C	104
VIS, CST @ 100°C	14
VISCOSITY INDEX	135
TBN, MG KOH/G	10
POUR POINT, °F	-20
SULFATED ASH, WT.%	1.4

20W-50 CI-4 - GAS DIESEL

20W-50 CI-4. GAS DIESEL is one of our top line super high performance engine oil formulated to provide unsurpassed performance in diesel and 4-stroke gasoline engines, whether naturally aspirated or turbo charged. It is the universal oil that is designed for the mixed fleet. It meets or exceeds performance requirements for API service grades SL*,SJ*,CF*,CF2, CE*, CG-4, CH-4 and CI-4 as well as U.S. military specifications MIL-L 2104F, MIL-L46152E and most other engine oil specifications of the major engine manufacturers.

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any climate. Antifoam agents assure proper lubrication to all engine parts. Powerful antioxidants and dispersants prolong oil life and extend drain intervals.

TYPICAL PHYSICAL CHARACTERISTICS

SAE GRADE	15W-40
GRAVITY, API	29
FLASH POINT, °F	430
VIS, CST @ 40°C	104
VIS, CST @ 100°C	14
VISCOSITY INDEX	135
TBN, MG KOH/G	10
POUR POINT, °F	-20
SULFATED ASH, WT.%	1.4

SAE 30, 50, 40

LUBE monograde motor oils are formulated with advanced additive technology and highly refined, premium quality basestocks that protect today's engines against undesirable deposits, contamination, and viscosity and thermal breakdown under severe service conditions.

LUBE are recommended to be used in two and fourcycle gasoline and diesel engines, where the appropriate API service category and SAE 30, 40 or 50 viscosity grade is required

CUSTOMER BENEFITS

- Resists breakdown in the most severe engine environments.
- High Detergency; Protects against formation of sludge and varnish deposits that reduce engine life.
- Contains anti-wear additives that reduce engine wear.
- Turbo Approved; Provides excellent protection to critical turbo unit components

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	SAE 30	SAE 40	SAE 50
GRAVITY, API	27.6	27.3	27
FLASH POINT, °F	430	440	450
VIS, CST @ 40°C	98	144	211
VIS, CST @ 100°C	11.5	14.5	18.5
VIS, SUS @100 °F	517.2	764	1123
VIS, SUS @210 °F	66	77.8	95
VISCOSITY INDEX	98	97	97
POUR POINT, °F	-10	-5	0
SULFATED ASH, WT.%	1	1	1



BIODEGRADABLE HYDRAULIC OIL are made with highly refined base oil, detergents, dispersants, corrosion inhibitors, antiwear agents and extreme pressure and foam suppressant.

BIODEGRADABLE HYDRAULIC OIL

HYDRAULIC - ISO 32, 46, 68

BIO HYDRAULIC OILS are environmentally sensitive products. These fluids are formulated using severely hydrotreated highly saturated base stocks and a virtually nontoxic zinc-free antiwear additive system. Exhibit excellent thermal stability and are inherently biodegradable due to the high saturate level of the base oils 8,000 hours.

CUSTOMER BENEFITS

- Excellent Oxidative and Thermal Stability
- Very good low temperature properties
- High natural viscosity index
- Very good natural lubricity
- Low volatility characteristics
- Very good hydrolytic stability
- Very low foaming tendencies
- Excellent demulsibility
- Inherent biodegradable, OECD Test Method 301B
- Environmentally sensitive, virtually nontoxic additive system, OECD Test Method 203 1-12
- Longer fluid life, extended service intervals
- Designed using EPA Green Chemistry

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	ASTM	ISO 32	ISO 46	ISO 68
API GRAVITY, 60/600 F	D-1298	33.5	32.5	32.2
VISCOSITY	MM2 /S @ 400 C D-445	32.0	46.0	68.0
		MM2/S @ 1000 C	5.36	6.76
VISCOSITY INDEX	D-2270	100	100	100
OXIDATION TEST	D-943	7600+	7600+	7600+
COPPER CORROSION	D-130	1A	1A	1A
FOAM	D-892	PASS	PASS	PASS
FLASH POINT, °C	D-92	220	225	232
POUR POINT, °C	D-97	-30	-28	-26
COLOR, ASTM	D-1500	1.5	1.5	1.5

HYDRAULIC OILS

PREMIUM AW HYDRAULIC - ISO 32, 46, 68, 100, 150

PREMIUM AW HYDRAULIC OILS are premium-quality anti-wear hydraulic oils with superior stability, designed to meet the rigorous requirements of most major manufacturers and users of hydraulic equipment. It has an outstanding rust protection, low deposit formation, good demulsibility, rapid release of entrained air, oxidation resistance, low pour points and good anti-foam properties 3,000 hour.

PREMIUM AW HYDRAULIC OILS contain an anti-wear agent that helps minimize wear in high-speed, highpressure vane and gear pumps.

PREMIUM AW HYDRAULIC OILS are recommended for use in vane, gear and piston pumps operated above 3000 psi. These products are excellent to reduce vane and gear pump wear and greatly extend the life of systems operating at high loads, speeds and temperatures.

CUSTOMER BENEFITS

- Low Foaming

- Extended system life
- Long-term thermal stability
- Long-term hydrolytic stability
- Superior demulsibility
- Protection against wear, rust and corrosion
- Excellent oxidation resistance over long service periods

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150
VISCOSITY @ 100 °C	5.3	6.9	8.9	11.1	14.5
VISCOSITY @ 40 °C	31.3	47.3	69.5	100	150
VISCOSITY INDEX	100	102	101	95	95
POUR POINT	-30	-30	-35	-15	-15
VISCOSITY CST@100C	1.0	1.0	1.5	1.5	2.5

HYDRAULIC - ISO 32, 46, 68

HYDRAULIC OILS are made to be used in a wide variety of applications where moderately inhibited oils are required.

HYDRAULIC OILS are suitable in pump, compressor and circulating systems, 5000 hours.

CUSTOMER BENEFITS

- Exhibit outstanding high temperature performance providing an extra margin of equipment protection.
- Excellent oxidation resistance and thermal stability properties that could extend oil and filter change intervals and help to provide exceptionally clean systems and trouble-free operation.
- High level of anti-wear properties and excellent film strength characteristics can lead to exceptional equipment performance
- Work well in systems contaminated with small amounts of water, however, separate large amounts of water easily.

- Contain an EP agent and chemical components to impart anti-wear and extreme pressure properties.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	ISO 32	ISO 46	ISO 68
SAE GRADE APPROX.	10	20	20
API GRAVITY	22.5	22.0	22.0
FLASH POINT C.	200	200	210
VISCOSITY CST@40C	28.8	42.6	63.0
RUST TEST	PASS	PASS	PASS
VISCOSITY INDEX MINIMUM	95	95	95
POUR POINT, C	-12	-12	-9

JD-20 MP TRACTOR FLUID

JD-20 MP TRACTOR FLUID (UTTO) universal tractor fluid, which serves as a transmission, wet brake, power take-off and final drive lubricant. JD-20 is formulated using select base oils and the most modern additives, providing maximum frictional properties for increased equipment life and reduced squawk and chatter from power take-off and wet brake systems.

JD-20 MP TRACTOR FLUID is fully inhibited against rust, oxidation, corrosion, and foaming. It provides maximum anti-wear protection and is compatible with commonly used seal materials. It has a low pour point and a high viscosity index for top performance in both high and low temperature-operating conditions of extreme severity.

CUSTOMER BENEFITS

- Meets or exceeds fluid performance requirements of most OEM's, maintaining efficiency and reliability, minimizing overall operating costs.
- Special additives protect metal surfaces against wear and scuffing, maximizing equipment life.
- Can replace multiple products generating low inventory cost and free up shelf space.
- Protects highly finished precision parts against corrosion and rust when operating in humid conditions.
- Allows a quiet and efficient action of brakes and transmission.
- Formulated to keep metal parts free of varnish and sludge deposits that could result in premature breakdown.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	JD-20 MP
GRAVITY, API	28
FLASH POINT, °F	401 (205)
VIS, CST @ 40°C	60
VIS, CST @ 100°C	9.2
VIS, SUS @100 °F	272
VIS, SUS @210 °F	57.8
VISCOSITY INDEX	134
TBN, MG KOH/G	10
POUR POINT, ° F (°C)	-40 (-40)
COPPER CORROSION	1A

GEAR OIL

GEAR OIL GL 5 - 80W-90, 85W-140

GEAR OIL GL-5 are top of the line heavy duty gear oils designed around a modern Sulfur-Phosphorus extreme pressure additive system and as such can be used with confidence in any gear system requiring API MT1, GL-5, GL-4, GL-3 or EP.

GEAR GL-5 meets or exceeds the following specifications: GL-4, GL-5, MIL-L-2105D, MIL-L-2105E, Mack GO-J and API MT1.

CUSTOMER BENEFITS

- Extended gear and bearing life due to minimal deposits.
- Longer seal life.
- Increased load carrying capability.
- Reduced maintenance costs and longer equipment life.
- Reduced wear and longer component life.
- Improved startability.

- Minimum leakage and reduced contamination

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	80W90	85W140
GRAVITY, API	26.7	25.6
FLASH POINT, °F	428 (220)	437 (225)
VIS, CST @ 40°C	139	308
VIS, CST @ 100°C	14.2	24.7
VISCOSITY INDEX (MIN)	102	98
POUR POINT, °F	-27 (-33)	-11 (-24)
COPPER CORROSION	18	18

DRIVE TRAIN FLUIDS - SAE 10W, 30, 50

DRIVE TRAIN FLUIDS are made for use in transmissions, final drives, and hydraulic systems requiring a fluid meeting Caterpillar TO-4 or Allison C4 requisites.

CUSTOMER BENEFITS

- Frictional control helps prevent clutch slippage and offers efficient action of transmission and brakes.
- Help protect metal surfaces against scuffing and wear even under severe operating conditions.
- Excellent compatibility with seals, O-rings.
- Maximum service life for the oil.
- Formulated to keep metal parts clean and free of varnish and sludge deposits.
- Protects highly finished precision parts against corrosion and rust, during seasonal shutdown periods or when operating in humid conditions

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	10W	30W	50W
GRAVITY, API	30.3	29.2	26.6
FLASH POINT, °F	430	460	470
VIS, CST @ 40°C	40.6	90.0	189.0
VIS, CST @ 100°C	6.2	10.3	17.0
VISCOSITY INDEX (MIN)	98	95	95
POUR POINT, °F	-20	-8	+5

SYN GEAR OIL

SYN GEAR OILS are high performance gear synthetic oils which exhibit excellent extreme pressure characteristics when operated under severe load conditions.

CUSTOMER BENEFITS

- Extended gear and bearing life due to minimal deposits.
- Longer seal life.
- Increased load carrying capability.
- Reduced maintenance costs and longer equipment life.
- Retains viscosity and film strength under severe operating conditions to prevent wear.
- Reduced wear and longer component life.
- Improved fuel economy and reduced operating costs.
- Reduced wear and ease of start-up.
- Maintains film strength for reliable lubrication.
- Minimum leakage and reduced contamination.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	75W90	75W90
GRAVITY, API	25.4	23.6
FLASH POINT, °F	400 (205)	410 (210)
VIS, CST @ 40°C	103.5	310
VIS, CST @ 100°C	14.9	31.2
VISCOSITY INDEX (MIN)	150	139
POUR POINT, °F	-50 (-46)	-36 (-38)
COPPER CORROSION	18	18



TRANSMISSION

SYNTHETIC TRANSMISSION FLUID SAE 50

Synthetic Transmission Fluid SAE 50 recommended for service fill of heavy duty manual transmissions, such as those manufactured by Eaton, Meritor, and Mack. It is produced from synthesized hydrocarbon base fluids which have excellent thermal and oxidation stability, a high natural viscosity index, and a low pour point.

SYN TRANSMISSION FLUID has an outstanding low temperature flow properties and natural high viscosity index that allows an exceptional all-weather, year-round performance in heavy duty truck transmissions. Its use permits easy shifting in extremely cold weather and minimal drag and gear wear during startup.

CUSTOMER BENEFITS

- Demonstrated field performance for on-highway drain intervals of 500,000 miles and more.
- Provides extremely broad operating temperature ranges when related to conventional mineral oil based lubricants
- Has unique additive package that can protect gears without using

the “active sulfur” agents commonly found in automotive axle oils, resulting in little to no corrosion and long life for copper-containing parts, such as oil coolers, bushings, and thrust washers.

- Excellent thermal and oxidation stability provided by the synthetic hydrocarbon base oil used in this product.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	SYNTHETIC SAE 50
VIS, CST @ 40°C	140
VIS, CST @ 100°C	18.5
VISCOSITY INDEX	143
API GRAVITY	32
POUR POINT, °F	-42
FLASH POINT, °C,	135
FZG SCUFF TEST, PASSING LOAD STAGE	12

MP ATF

MP ATF OIL is a true universal automatic transmission fluid, designed to help keep your transmission components protected so that they can go on working efficiently.

MP ATF is recommended for applications where fluids meeting the performance requirements of DEXRON III®, and Ford MERCON® are required. This product may also be used for applications calling for a fluid which meets the requirements of DEXRON II-E® DEXRON II-D® DEXRON II®, Ford (M2C138-CJ) and (M2C166-H), Caterpillar TO-2 or Allison C-3, C-4. It is an excellent service fill for Mercedes Benz US and Ford late model C-4, C-6.

CUSTOMER BENEFITS

- Consistent, reliable, smooth and trouble free operation of automotive transmission systems.
- Exceptionally high oxidation resistance.
- Dependable anti-wear and gear protection to provide Long component

life.

- Excellent oil fluidity at low temperatures.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	ATF MD-3
GRAVITY, API	31.2
GAL	7.2
APPEARANCE	RED
VIS, CST @ 40°C	33.86
VIS, CST @ 100°C	7.21
VIS, CPS @ -40°C	16200
VISCOSITY INDEX	185
POUR POINT, °C (°F)	-45 (-49)
FLASH POINT, °C (°F)	187 (369)



High quality multipurpose grease for industrial and transportation service, formulated from high viscosity base oil and lithium complex thickener.

GREASE

RED HD EP2

RED HD EP2 GREASE is a high quality multipurpose grease for industrial and transportation service, formulated from high viscosity base oil and lithium complex thickener. This heavy-duty grease offers high load capability with a Timken OK Load of 80 lbs. and contains tackiness additive to enhance retention on lubricant parts. These properties help form an effective seal to help minimize bearing contamination and stay in-place while in service.

RED HD EP2 GREASE contains high performance extreme pressure additives, offers Anti-wear protection, a strong Extreme Pressure package, rust and oxidation inhibitors and tackifiers. It offers good water resistance and exhibits good pumpability even at lower temperatures. It is also NLGI GC-LB certified for use as a multi-purpose automotive wheel bearing and chassis grease. It a very wide operating temperature range allowing for excellent high temperature protection. It is recommended for high temperature, heavy duty greasing applications of bearings, rolling elements, antifricition bearings, high temp wheel bearings/disc brakes, electric motor bearings, throw-out bearings, universal joints, fifth wheels and more. This grease is an excellent choice for slow to moderate speed bearing applications in agricultural, automotive, construction, cement, industrial, marine, mining, oil and gas, paper and pulp, railroad, steel and trucking industries.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	METHOD / MÉTODO	3% MOLY GREASE
NLGI GRADE	ASTM D-217	2
WORKED PENETRATION @ 25° C	ASTM D-217	265 - 295
THICKENER TYPE	DATA	LITHIUM COMPLEX
TEXTURE	VISUAL	TACKY
COLOR	VISUAL	RED
DROPPING POINT	ASTM D-2265	450 - 600OF
VISCOSITY @ 40° C, CST	ASTM D-445	-
VISCOSITY INDEX	ASTM D-2270	90 - 100
TIMKEN OK LOAD	ASTM D-2509	70 - 90 LBS
4-BALL WELD LOAD	ASTM D-2596	500+ KG
WATER SPRAY-OFF, % WT	ASTM D-4049	7.0 - 10.0
COPPER STRIP CORROSION	ASTM D-4048	1B
RUST PREVENTION	ASTM D-1743	PASS

MOLY GREASE

HD 3% MOLY GREASE is formulated with a special additive package which insures high film strength, extreme pressure (EP) and anti-wear properties. Exhibits good pumpability even at lower temperatures, and is water washoff resistance. HD 3% MOLY GREASE is enhanced with Moly (Molybdenum Disulfide) to provide protection against seizure under high loads and severe shock load conditions.

HD 3% MOLY GREASE is a perfect lubricant for heavy duty construction, industrial, and mining applications. Is created to be used in heavy-duty applications where sliding or oscillating motion is present as in bearings, steering linkage and fifth wheel assemblies.

CUSTOMER BENEFITS

- Resists softening and protects parts from wear.
- Long Life.
- Extraordinary Performance at High and Low Temperatures
- Resists oxidation and protects metal against rust.
- Great Pumpability and Water Washoff Resistance.
- Excellent Shear and Mechanical Stability.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	METHOD / MÉTODO	3% MOLY GREASE
NLGI GRADE	ASTM D-217	2
WORKED PENETRATION @ 25° C	ASTM D-217	265 - 295
THICKENER TYPE	DATA	LITHIUM COMPLEX
TEXTURE	VISUAL	TACKY
COLOR	VISUAL	N/A
DROPPING POINT	ASTM D-2265	450 - 600OF
VISCOSITY @ 40° C, CST	ASTM D-445	200.0
VISCOSITY INDEX	ASTM D-2270	90 - 100
TIMKEN OK LOAD	ASTM D-2509	50 - 60 LBS
4-BALL WELD LOAD	ASTM D-2596	315 - 400 KG
WATER SPRAY-OFF, % WT	ASTM D-4049	3.0 - 7.0
COPPER STRIP CORROSION	ASTM D-4048	1B
RUST PREVENTION	ASTM D-1743	PASS



INDUSTRIAL OILS
are premium quality lubricants with superior stability, designed to meet the heavy-duty demands of a variety of industrial applications.

INDUSTRIAL

GEAR COMP EP – ISO 150, 220, 460

GEAR COMPOUNDS are designed to meet the heavy-duty demands of a variety of industrial gear applications including those operating under such severe conditions as critical sliding velocities and shock loading that may occur under certain loading situations. They are created from high quality base oils with the perfect additive package to provide the best combination of performance properties, such as extreme pressure and oxidation resistance, required in difficult industrial applications.

CUSTOMER BENEFITS

- Help maintain clean gear and bearing surfaces, minimizing deposits which interfere with effective lubrication.
- Effective EP system minimizes wear rates and maintains efficient transfer of power. Good water separation and effective rust inhibitors protect surfaces against rust and corrosion. High thermal stability additive system minimizes the formation of high temperature compounds which can be corrosive to bearing materials.

- Minimize oil oxidation, limiting viscosity increase and promoting long drain intervals.

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	ISO 150	ISO 150	T 460
VISCOSITY @ 40° C, CST	145	210	400
VISCOSITY @ 100° C, CST	14	19	24
VISCOSITY INDEX	95	97	95
POUR POINT, °C	-20	-15	-15
TIMKEN OK LOAD, LBS.	65	65	65
FZG, PASS STAGES	12	12	12
FOUR BALL WEAR	0.34	0.34	0.34
FOUR BALL EP, WELD POINT, KG	250	250	250
FOUR BALL EP, LWI KG	45	45	45

INDUSTRIAL GEAR F – ISO 150, 220, 320, 460

INDUSTRIAL GEAR F are multipurpose industrial gear lubricants made with highly paraffinic base stocks and modern performance additives. Provide extreme pressure protection as well as anti-wear protection. Offer superior rust and oxidation control, corrosion control and demulsibility. Have high load carrying capacity, separate quickly from water and are exceptionally stable over a wide range of temperatures.

INDUSTRIAL GEAR F are intended for use in enclosed gear drives and wherever an AGMA extreme pressure lubricant is required. INDUSTRIAL GEAR F meet or exceed the following specifications: U.S. Steel 224, AGMA 250.04 and 9005 and Cincinnati Milacron.

CUSTOMER BENEFITS

- Excellent oxidation and thermal stability
- Effective corrosion Inhibition
- Outstanding load carrying and anti-friction characteristics
- Wide range of viscosities
- Resistant to micro-pitting
- Water shedding properties
- Load Carrying Capacity
- Lead-free
- Extreme Pressure Properties

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	ISO 150	ISO 220	ISO 320	ISO 460
AGMA GRADE	4EP	5EP	6EP	7EP
GRAVITY, API	28.3	27.2	26.9	26.1
FLASH POINT, F	410	420	435	445
VIS, CST @ 40C	150	219	320	450
VIS, CST @ 100C	14.8	18.8	23.9	29.9
VISCOSITY INDEX (MIN)	98	96	95	95
POUR POINT, F	-10	0	+5	+10
TIMKEN OK LOAD, LBS	65	65	65	65
LOAD WEAR INDEX ASTM D5182	250 12+	250 12+	250 12+	250 12+

AX INHIBITED TRANSFORMER OIL

AX INHIBITED TRANSFORMER OIL is a inhibited electrical insulating oil manufactured from highly refined mineral oils. It is formulated with an oxidation inhibitor to minimize formation of acids and sludge in service to minimize oil deterioration and extend the operating life of the immersed components.

CUSTOMER BENEFITS

- Extended oil life
- System efficiency
- Transformer protection
- Low pour point and low viscosity
- Excellent oxidation stability

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	METHOD	3% MOLY GREASE
KINEMATIC VISCOSITY AT 0 °C	ASTM D 445	59
KINEMATIC VISCOSITY AT 40 °C	ASTM D 445	9
KINEMATIC VISCOSITY AT 100 °C	ASTM D 445	2.1
FLASHPOINT COC	ASTM D 92	150
POURPOINT	ASTM D 97	-56
ANILINE POINT	ASTM D 611	69
APPEARANCE	ASTM D1524	CLEAR & BRIGHT
DENSITY AT 15 °C	ASTM D 1298	889
INTERFACIAL TENSION @ 25 °C	ASTM D 971	40
CORROSIVE SULPHUR	ASTM D 1275	NOT CORROSIVE
WATER CONTENT	ASTM D 11533	<29
OXIDATION INHIBITOR CONTENT	ASTM D 1473	COMPLIES
DIELECTRIC BREAKDOWN VOLTAGE	ASTM D 1816	
OIL AS RECEIVED	ASTM D 1816 (VDE)	39
AFTER TREATMENT	ASTM D 1816 (VDE)	>71
DIELECTRIC BREAKDOWN VOLTAGE IMPULSE	ASTM D 3300	>305
DIELECTRIC BREAKDOWN FACTOR (DDF) AT 100 °C	ASTM D 924	0.1
OXIDATION STABILITY @ 72 HRS / 164 HRS SLUDGE	ASTM D 2440	<0.01 / 0.01
TOTAL ACID NUMBER		<0.01 / 0.1
OXIDATION STABILITY (RPVOR)	ASTM D 2112	238
GASSING TENDENCY	ASTM D 2300	COMPLIES

TURBINE OIL T32, T46

TURBINE OILS are a premium quality ash-less oils designed for outstanding performance in natural gas or steam turbines, air compressors, circulating systems and non-EP gear boxes. They exhibit excellent thermal and oxidative stability for robust, long-term performance without sludging or thickening. They exceed the rigorous performance requirements of Cincinnati-Milacron's benchmark specifications for R&O Oils: P-38 and P-45.

CUSTOMER BENEFITS

- Extended oil life
- System efficiency
- Transformer protection
- Low pour point and low viscosity
- Excellent oxidation stability

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	ASTM	T 32	T 46
API GRAVITY 60/60 °F	D-1298	29.9	29.8
SPECIFIC GRAVITY, G/ML @ 60° F	D-1298	0.877	0.877
VIS, CST @ 40°C	D-445	32.2	44.0
VIS, CST @ 100°C	D-445	5.4	6.6
VISCOSITY INDEX	D-2270	101	101
POUR POINT, °C (°F)	D-92	433	433
FLASH POINT, °C (°F)	D-97	-20	-15
OXIDATION TEST	D-943	7500+	7500+
FOAM	D-982	20/0	30/0
DEMULSIBILITY, MINUTES	D-1401	10	15
RUST TEST	DISTILLED WATER	D-665B	PASS
	SALT WATER	D-665B	PASS



MARINE LINE incorporates highly refined North American paraffinic base stocks along with a speciality additive system. They are carefully blended together to formulate a lubricant that protects these large slow moving.

MARINE

MARINE 40 TBN - SAE 30W, 40W

MARINE 40 TBN. Made for medium-speed industrial or marine propulsion and auxiliary engines, burning residual fuel oils, which create conditions of high oil stress. Also for marine engine reduction gears (SAE 40 only) and certain other shipboard applications, where specialist lubricants are not required.

Provide sufficient reserve alkalinity, detergency and dispersancy along with high load carrying and antiwear properties. They are effective in providing low linear wear rates and low ring wear. The additive system provides excellent oxidation resistance and thermal stability, rust control, filterability and water shedability. Normal overhaul intervals are around 15,000 hours.

CUSTOMER BENEFITS

- Higher acid neutralization property, releasing the corrosion of acid materials produced in the combustion process of poor fuels effectively, cleaning piston and engine
- Suitability for centrifugal separators
- Excellent emulsifying resistance

- Good oxidation resistance and anticorrosion performance to inhibit the formation of oxides

TYPICAL PHYSICAL CHARACTERISTICS

SPECIFICATIONS / ESPECIFICACIONES	SAE 30	SAE 40
VISCOSITY INDEX	98	97
GRAVITY, API	27.6	27.3
FLASH POINT C.	210	203
VISCOSITY CST@40°C	98	144
VISCOSITY CST@100°C	11.5	14.5
BASE NUMBER	40	40
SULPHATED ASH % WT	4.9	4.9
POUR POINT, C.	0	-10



 Everlast Lubricants

 (305) 846-2166

www.everlastlubricantusa.com

