



PISTON LUBES



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Motor Engine Oil

Diesel Engine Oil

Transmission Fluids

Brake Fluids Antifreeze & Coolants

Special Industrial Oils & Greases

PISTON LUBES



Company Profile

PISTON LUBES has been setting the standards for continuous innovation, research and development and consistency in delivering world-class products in the lubricants industry. For over two decades, PISTON LUBES has been the leading total lubrications solution provider creating dependable energy efficient products engineered to enhance productivity across industries.

With a growth rate of 20% annually, PISTON LUBES, is one of the fastest growing companies in the UAE, Equipped with state-of-the-art production facility. PISTON LUBES is one of the regions largest manufacturer of lubricants with a comprehensive line of leading edge premium lubricants ideal for use in a diverse range of industries.

We realize that customer loyalty is our lifeline. Customer service is top priority and that starts with our culture and every PISTON LUBES product is backed by the first-class service and support you expect from an industry leader and a dedicated team to provide information and assistance.

PISTON LUBES - leading the way in high performance lubricants!!!



PISTON LUBES® Motor Engine Oil

PISTON LUBES Motor Engine oil is high quality motor oil intended for use in passenger cars that have normally aspirated engines or turbo-charged engines. These oils are most suitable for new cars and light trucks that require multi-grade properties. It meets and exceeds the requirements of API SJ/CF as well as the G5 and PD2 requirements of CCMA/ACEA. It also exceeds the car manufacturers engine oil performance criteria. PISTON LUBES motor oil is specifically designed to provide extra protection against corrosion, oxidation, sludge and rust. The built-in viscosity improver protects in extreme weather conditions.

Performance Level

API SJ/CF, MIL-L-4152D, CCMC G5/PD2

Benefits and Advantages

- Lowers oil consumption
- Provides a cleaner & smoother running engine
- Enhances life of crankcase
- Protects against rust and corrosion



PISTON LUBES® Motor Engine Oil

PISTON LUBES Motor Engine oil is a unique engine lubricant specifically formulated to meet high performance requirements of the latest model cars and trucks. This product was specially designed for use in sports cars and luxury vehicles that require a highly stable engine oil that will withstand the most extreme demanding performance criteria. It is so thoroughly tested that it has been approved by the internationally recognized organization known as the API (American Petroleum Institute) and their department called the Eolcs. This product carries the full donut approval for API SL/CF-4 and energy conserving (EC).

Performance Level

API SL/CF-4, MIL-L-46152D, CCMC G5/PD@

Benefits and Advantages

- Improved fuel economy & power output
- Reduced emissions
- Enhances life of crankcase
- Extended drain capability
- Superior lubrication - increased engine life



PISTON LUBES® Semi Synthetic Motor Engine Oil

PISTON LUBES Semi Synthetic Motor Engine oil is a Semi-Synthetic lubricant specifically formulated to meet high performance requirements of the latest model cars and trucks. PISTON LUBES Semi Synthetic Motor Engine oil is superior to conventional oils as it exhibits a higher viscosity index, better thermal and oxidation stability as well as lower volatility. PISTON LUBES Semi Synthetic Motor Engine Oil is fortified with unique phosphate esters.

Performance Level

API SM/CF, ILSAC GF-4

Benefits and Advantages

- Improved fuel economy & power output
- Reduced emissions
- Enhances life of crankcase
- Extended drain capability
- Superior lubrication- increased engine life



PISTON LUBES® Fully Synthetic Motor Engine Oil

PISTON LUBES Fully Synthetic Motor Engine oil offer superior performance for the higher power and speeds in today's engines. It delivers extraordinary lubrication in all types of automotive gasoline engines. Its unique and proprietary formula helps your vehicle maintain maximum horsepower by reducing harmful deposit formation.

Performance Level

ILSAC GF-5, API SN, GM dexos [TM]1

Benefits and Advantages

An advanced additive package that neutralizes corrosive particles, preventing them from grouping together and forming power-robbing sludge.

Stability and endurance under extreme conditions [heat, load, speed] that can cause conventional oils to break down.

Superior engine protection that outperforms leading conventional and synthetic blend oils, passing severe industry torture tests.



PISTON LUBES® CNG Motor Engine Oil

PISTON LUBES CNG Motor Engine Oil is a premium multi-grade lubricant specifically designed for use in compressed natural gas (CNG). It is specifically formulated to provide reliable protection for trucks, buses, passenger cars and other commercial vehicles using Compressed Natural Gas (CNG). It is formulated from high quality base stocks and a balanced additive system. This advanced medium ash formulation provides excellent oxidation, nitration, and thermal stability to minimize combustion chamber ash deposits. It lubricates with less varnish, sludge, and carbon build-up under the most severe operating conditions.

- High thermal and oxidation stability helps control sludge build-up and deposits.
- Shear stability reduces oil consumption.
- Effective detergency/dispersancy keeps engines cleaner.
- Low levels of Zinc and Phosphorous help extend catalytic converter life.
- Longer drain capability compared to conventional fleet engine oils.
- Excellent resistance to foaming and corrosion.



PISTON LUBES® Super 4T Engine Oil

PISTON LUBES Super 4T is a premium 4-Stroke motorcycle engine oil specially designed to give superior protection and performance even under extreme conditions. These oils are specially designed for high temperature operating conditions providing optimum performance even in these tough city driving conditions. These oils provide outstanding oxidation and wear protection for extended oil engine life, minimize engine deposits due to excellent sludge and varnish control. Its anti-wear additive system reduces wear of highly stressed engine and gearbox components under severe operating conditions and improves engine and gearbox durability.

ACEA A3-96/B3-96, API SJ, JASO MA2

Benefits & Advantages

Cost effective protection helps resist engine and gearbox wear, contributing to improved engine reliability.

Detergency and dispersancy additives assist in reducing piston and ring deposits, helping maintain engine power and

Performance.

Multifunctional formulation, suitable for motorcycle engine, clutch and gearbox use as well as portable power generation engines.

Applications

For use in all 4-stroke engines requiring oil meeting the API SJ standards.

For use in all 4-stroke motorcycles with or without wet clutches including those specifying the use of a JASO MA/MA1/MA2 qualified oil.

Recommended for new generation 4 stroke motorcycles, scooters and 3-wheelers.



PISTON LUBES® Diesel Engine Oil

PISTON LUBES diesel engine oil is manufactured to provide premium all round performance in diesel engines used for the road transport and construction industries. It provides excellent all weather protection and controls the emissions in high speed engines. It is blended with the latest additive technology and recommended by OEM'S for use in European, American and Japanese manufactured engines.

Performance Level

API CI-4/CH-4/CG-4/CF/SJ - ACEA E3-96 ISSUE 3 - ACEA A3-98/B3-98 ISSUE 2/B4-02 - VOLVO VDS2 RENAULT VI RD - MACK EO-M - ALLISON C-4 [LEVEL] - MB 228.2/3 - MB 229.1 - MAN M3275 MTU/DDC TYPE 2 - CUMMINS 20071/20072

Benefits and Advantages

- High alkalinity reserve
- Advanced additive technology
- Control of low temperature sludge and deposits
- Low emission technology



PISTON LUBES® Semi Synthetic Diesel Engine Oil (Long Drain/ High Mileage Oil)

PISTON LUBES Semi Synthetic Long Drain diesel engine oils are multigrade oils formulated with quality synthetic base stocks for all high-performance diesel engines. It is engineered to provide outstanding lubrication to modern, high performance diesel engines used in severe on and off-highway applications. This diesel engine oil is designed using high performance synthetic base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control, and fuel economy improvement. PISTON LUBES Long Drain diesel engine oil is engineered to provide long oil drain intervals in modern diesel engines. The superior quality base oil provides excellent cold and high temperature properties. The additive package is specifically formulated to address the severe demands of a diesel engine's internal environment.

Performance Level

API CI-4, ACEA E4/E7-12, MB 228.5, MAN 3277, Cummins CES 20078, Renault RLD-2, Volvo VDS 3, Deutz IV-10

Benefits and Advantages

- Engineered to provide exceptional performance in engines operating under severe service conditions, including towing and hauling under high temperatures.
- Special viscosity improvers, anti-wear, anti-oxidant and detergent additives protect, maintain cleanliness in hot running diesel engines.



PISTON LUBES® Diesel Engine Oil (Fully Synthetic)

PISTONLUBES Synthetic lubricant is the premium choice for API CJ-4 emission-quality diesel oil required by model-year 2007 and newer diesel engines. It delivers extraordinary lubrication in diesel engines found in commercial, fleet and personal vehicles. Built with the latest additive and synthetic base oil technology, PISTONLUBES Synthetic lubricant exceeds the higher performance demands of modern engines. It withstands the stress of heat, soot and acids to help prevent deposits, wear and corrosion. PISTON LUBES is wax-free with a broad viscosity range to provide exceptional cold-weather starting and high temperature protection. It resists breakdown and offers maximum fuel efficiency over extended drain intervals.

Performance Level

API CJ-4, CI-4+, CF, SM, ACEA E7,E9, Mack EO-O Premium Plus, DDC Power Guard 93K218, Caterpillar ECF-3, ECF-2, Cummins 20081, Volvo VDS-4, MB 228.31, MTU Type I & II, MAN 3275, JASO DH-2, Global DHD-1, Renault RLD-3

Benefits and Advantages

- Exceeds Emission System Requirements
- Extended Drain Performance
- Improves Fuel Economy
- Reduces Oil Consumption and Emissions
- Controls Soot-thickening and Wear



PISTON LUBES® GEAR OIL

PISTON LUBES Gear Oil is a specialized gear lubricant containing highly developed sulphur-phosphorous extreme pressure (EP) additives that are designed to meet rigorous demands of commercial-fleet manual transmissions, drive axles and final drives. Its special additive technology assures an excellent protection against metal-to-metal contact of the gears under the most severe operating conditions, even under shock loads. This product is highly suitable for heavy earth moving equipment, farm equipment and passenger cars. It provides excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures, and have demonstrated good rust protection resulting from water contamination and wet conditions. Furthermore, the viscosity grades have an excellent low temperature fluidity for an optimum performance during all seasons. It shows an excellent oxidation and thermal stability. Seals are not affected by this product.

Recommended for use in hypoid or spiral bevel gear differentials and industrial gear units. Heavy-duty manual transmissions, axles. On-highway light and heavy-duty trucks, busses, vans, and cars. Off-highway industries including: construction, mining, quarrying, and agriculture. Other heavy-duty industrial and automotive applications involving hypoid and other gears.

Performance Level

API GL-5/MT-1, BTR 5M-31, MIL-L-2105D, ZF TE ML-01/02/05/07/08

PISTON LUBES® Multitrans Auto Transmission Fluid

PISTON LUBES Multitrans ATF is highly refined fluid made from solvent base oils, viscosity index improvers, anti-oxidants, anti-wear agents, detergents, defoamers and special friction modifiers. It is recommended for use in all automatic transmissions that specify either GM DEX III or Ford Mercon fluid or BTR 4 speed 85 and 95 LE, Ford ZF 6. It is produced from high quality base stocks and selected additive packages. It has excellent oxidation stability, low temperature properties, minimize formation of gum, sludge and varnish, excellent protection from rust, corrosion and wear.

- Protects metal parts from corrosion
- Protects transmission gears and allows them to operate smoothly
- Provides smooth flows for cold start-up
- Prevents fluid breakdown at higher operating temperatures
- Provides excellent oxidative stability under severe conditions
- Wide range of seal compatibility
- Meets the requirement of following:
- DEXRON®, DEXRON®-II, DEXRON®-III • MERCON®, MERCON®V • Allison C-4 • Toyota T, T-III, T-IV, Honda Premium Formula
- ATF, ATF-Z1 [except in CVTs] • Mitsubishi/Kia/Hyundai SP, SP-II, SP-III • Nissan Matic-D • BMW LA2634, LT71141

PISTON LUBES® ATF

PISTON LUBES ATF is designed to withstand high pressures encountered in hydrostatic systems. It has a high viscosity index, low pour point and special additives to increase oxidation resistance, rust & corrosion protection and anti-wear properties. Loxy ATF is highly recommended for applications that require type a suffix fluids.

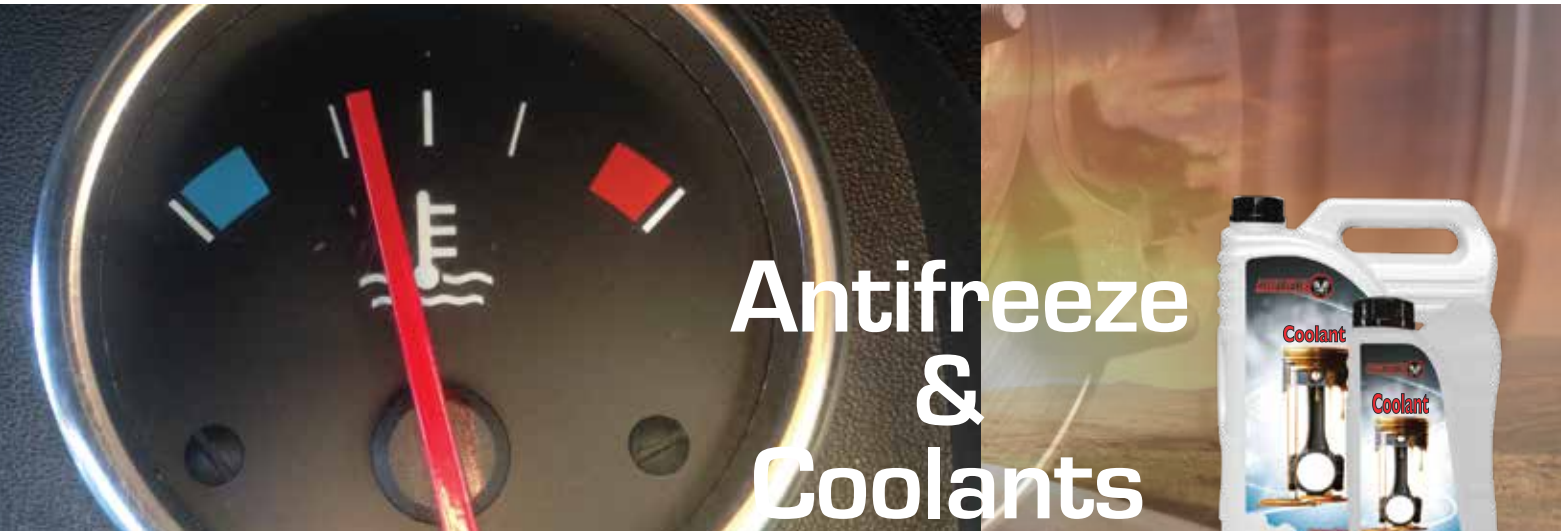
Performance Level

TYPE A SUFFIX 'A'

Benefits and Advantages

- Good foam resistance
- High viscosity index
- Low pour point
- Fluidity over a wide range





Antifreeze & Coolants



PISTON LUBES® Coolant & Anti Freeze

PISTON LUBES Coolant & Anti Freeze is recommended for use in liquid cooling systems of automotive and industrial gasoline and diesel engines. They are available in various concentrations ready for use. The higher boiling points of PISTON LUBES Coolant & Anti Freeze are beneficial in hot weather and at high altitudes.

Application

PISTON LUBES Coolant & Anti Freeze protects cooling systems of gasoline and diesel engines against rust in all seasons. They provide ideal cooling, effective protection against corrosion and scale deposit formation in the cooling systems year-round, resulting in longer radiator life and lower maintenance cost.

Benefits and Advantages

- High boiling point gives better cooling performance in high temperature condition
- Excellent anti-foam properties
- Withstands freezing at low temperatures
- Protects the radiator against rust & corrosion
- Compatible with ordinary summer coolant
- Protection against excessive evaporation
- Provides year round cooling and anti-freeze properties



PISTON LUBES® Brake Fluid DOT-3

PISTON LUBES is a high quality brake fluid blended from glycol ethers and Polyglycols. It is formulated to contain oxidation and corrosion inhibitors to enhance its chemical stability.

Consistent and safe brake performance under high braking pressure.

Reduces leakage and loss of fluid to a minimum

Improved life and reliability of brake system components

Meets or exceeds all passenger car and light truck manufacturer's warranty requirements for vehicles or brake systems where an FMVSS No. 116 DOT 3, SAE J1703, ISO 4925 Class 3 brake fluid is specified.

Benefits & Advantages

- High boiling point to prevent vapour forming in brake systems
- Firm braking pressure in all operating conditions
- Excellent chemical stability
- Protects metals and rubbers used in brake and hydraulic systems



INDUSTRIAL



PISTON LUBES[®] Hydraulic Oils

Anti-wear hydraulic oils are formulated from severely hydrotreated mineral oils and an ashless additive system that provides superior oxidation stability, water separability, foam suppression and protection against wear, rust and corrosion. Specifically designed for use in environmentally sensitive areas.

Application

- Vane, piston and gear-type pumps
- Mobile and stationary hydraulic equipment situated in environmentally sensitive areas
- Can and bottle handling machinery
- Agricultural harvesters
- Hydraulic systems in meat, fish and poultry plants
- Logging, pulp and paper & timber mills
- Quarrying, mining and earthmoving
- Waste management

Performance Level

Denison HF-O, Cincinnati Milacron P-68 (ISO 32), P-70 (ISO 46), Vickers M-2950-S [mobile equipment], I-286-S [industrial equipment] (ISO 46), ANSI/AGMA 9005-D94: AGMA Lubricant Nos. 1 (ISO 46) and 2 (ISO 68), U.S. EPA and Fish & Wildlife-Service aqua toxicity (LC-50) criteria

Benefits and advantages

- Reduces costly equipment downtime
- Low environmental impact
- Longer service life
- Saves on inventory costs



PISTON LUBES[®] Compressor Oil

PISTON LUBES air compressor oils are blended from premium paraffinic base oils of high viscosity index and modern additive technology that gives these fluids a unique control over oxidation, rust, corrosion and wear. PISTON LUBES Air compressor oils Strictly conform to the ISO Viscosity grading systems.

Benefits and Advantages

- Reduced compressor deposits
- Reduced wear – protects against friction, corrosion and rust
- Superior oxidation stability
- Reduces crankcase oil consumption



PISTON LUBES[®] CUTTING OIL

PISTON LUBES Cutting Oil is formulated using high quality solvent refined mineral oils having high levels of chemical stability at high temperatures and thus keeping formation of carbonaceous deposits to a minimum. It has high level of lubricity and moderate heat transfer rate.

Application

PISTON LUBES Cutting Oil is a staining type of neat cutting oil developed for applications involving deep-hole drilling, gear hobbing & shaving, screw machining and threading of ferrous alloys and stainless steel. Formulated using active sulfur synergized with chlorine to give excellent EP properties providing longer tool life and build up edge.

Benefits and Advantages

- High chemical stability gives long oil life
- Minimum drag out reduces oil wastage
- Long oil life and reduced deposits give minimum plant maintenance
- High extreme pressure performance
- Reduced tool wear, improved surface finish



PISTON LUBES[®] Machine Oils

PISTON LUBES Machine Oil is high performance textile, knitting & sewing machines lubricant. This product is formulated with high quality base oils and selected additives to enhance anti-oxidant, scourability & antifoaming characteristics to meet the lubrication requirement of modern textile machines.

Application

PISTON LUBES Machine Oil is a superior lubricant for all kind of sewing machine, textile loom & machinery. It is excellent for needle mechanism of flat-bed fully fashioned nylon stocking knitting machines where sized and non-sized yarn is used. This product is equally applicable to faster & slower speeds on heavier fabrics. Can also be used in cutting machines and other machinery which comes into contact with fabric.

Benefits and Advantages

- Low viscosity with light color.
- Superior oxidation stability.
- Good corrosion prevention properties.
- Special non-drip properties.
- Easy wash out & anti-stain properties which ensure stains removal.
- Excellent anti-foam characteristics.
- Effective surface wetting properties.
- Good seal compatibility.



PISTON LUBES[®] Industrial Gear Oil

PISTON LUBES industrial gear oil is a multi-purpose lubricating and circulating fluid that is designed to protect from corrosion, rust and foaming. It contains inhibitors that act against oxidation and sludge formation. PISTON LUBES industrial oils can be used in a wide variety of applications, ranging from circulation systems, gear and bearings, low pressure hydraulic systems and compressor units.

Performance Level

MIL-H-17672D, DENISON HF-1, US STEEL 126

Benefits and Advantages

- Oxidation stability
- Outstanding control of high temperature deposits
- Control of low temperature sludge and deposits
- Reduced wear & tear



PISTON LUBES[®] General Purpose Calcium Grease

PISTON LUBES General Purpose Calcium Grease is Recommended for use in electric motors and bearings subjected to water contamination. These greases are smooth and buttery. When heated. They lose their associated water, which may be water of hydration. Since the grease is not used at high temperatures, the inhibited grease has excellent oxidation stability. Water resistance is very good. Suitable for use in plain and antifriction bearings when resistance to water wash is an important consideration.



PISTON LUBES[®] Multipurpose Lithium Grease

A multi-functional lithium soap grease which provides extended ball bearing life at heavy loads and high temperature. It contains heat stable anti-wear, antioxidants, and extreme pressure additives and is suitable for ball bearing protection at heavy loads over a wide temperature range of -20C to +150C. It is recommended for use in wheel bearing for automobiles and trucks, high speed roller bearing, sand construction machinery, also recommended for the lubrication of electric motor bearings anti-friction bearing.



PISTON LUBES