The Mobil South Pacific Product Guide is designed to give a brief description on each of the products we sell and to help make your buying decisions easier.

Mobil offers the highest quality lubricants with superior performance for a wide range of automotive and industrial applications. These premium lubricants are supported by Mobil programs and technical expertise.

Mobil combines the technology behind the world’s most advanced engine oil with a full understanding of local conditions to provide you with products you can rely on.

The Mobil Lube Line can help you decide which Mobil product to use. Our lubricant experts can check specifications and product names, identify competitor products, solve lubrication problems and make recommendations. We can talk about lubricants for automotive, marine and all types of industrial equipment.

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Mobil pursues a policy of constant research and development to improve its products. This Product Guide, published in July 2008 and revised in May 2009, supersedes all previous issues, earlier editions should be destroyed to avoid confusion and the possibility of product misapplication. This Product Guide is based on the latest information available. Mobil reserves the right to change product formulations and specifications without notice. It is, therefore, important to verify intended applications with Mobil and relevant engine and equipment manufacturers before use.

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**Air Tool Oils**

**Mobil Almo 527, 530, 532, 535**

Lubricants specially developed for use in all types of air tools and pneumatic equipment including rock drills, underground equipment and pavement breakers. They possess good anti-wear characteristics. They also give excellent control over water washing, corrosion and fog formation: important considerations for underground mining operations. • Extended tool life, reduced maintenance and repair costs • Better adhesivity, reduced water washout • Protection against rust and corrosion • Toxicologically acceptable at normal levels of fog concentration

**Chain Lubricant**

**Mobil Pyrolube 830**

A fully synthetic lubricant developed for use on hot conveyor chain applications in drying ovens and tenter frames. This equipment is commonly used in the manufacturing of glass fibre and rock wool mats and the continuous production of particleboards. Mobil Pyrolube 830 can be fed automatically to the chain by nozzle pipes or applied by hand using a brush. • High wear protection of chain and pinion • Reduced lubricant consumption and reduced energy consumption • Outstanding high temperature performance • Improved operational safety • Negligible deposit formation at high temperatures • Low evaporation loss and no unpleasant odour

**Circulating Oils**

**Mobil DTE Oil Light, Medium, Heavy Medium, Heavy**

A range of high quality lubricating oils used in a wide variety of industrial applications including turbines, precision machine tools, air compressors, industrial bearings and certain type of gears. Also used in large presses, gearboxes, heavy machine tools and paper machine dryers • High chemical and thermal stability • Excellent demulsibility for quick and complete water separation • Excellent wear protection • Excellent air release properties to minimise compressibility and erratic operation

**Mobil SHC 624, 626, 629, 630, 632, 634, 636, 639**

Fully synthetic gear and bearing lubricants that have proven their versatility in extreme service applications at high and low temperatures. Mobil SHC 600 Series lubricants are recommended for use in industrial bearings and gears where operating temperatures or pressures are such that using conventional lubricants results in unsatisfactory life of equipment and oil. Their extended service life makes them especially suitable for applications where high maintenance costs for system cleaning and lubricant changes occur. Typical applications include plastic calendars, mixer roll bearings and roll neck bearings where high temperatures are encountered. • Provide long service life • Reduce bearing and gear tooth wear • Reduce power consumption • Reduce down time and maintenance costs • Excellent high temperature oxidation and thermal stability which minimises sludge formation and deposit build-up • High viscosity index for optimum film thickness at operating temperatures • Very low pour point for low temperature start-up • High load carrying ability and outstanding anti-wear properties • Rust and corrosion protection • Compatible with conventional mineral oils
Compressor Oils - Air

**Mobil Rarus 424, 425, 426, 427, 429**

Specifically designed for single and multistage reciprocating and rotary air compressors, they can be used for both crankcase and cylinder lubrication. Mobil Rarus 420 Series are made from specially refined mineral base oils and selected additives to give excellent thermal and oxidation stability to resist deposit formation on exhaust valves.

- Rust protection with good load carrying ability and demulsibility.
- Longer valve cleaning intervals as a result of high resistance to deposit formation.
- Good inter-cooler and after-cooler efficiency due to resistance to emulsion formation.
- Lower operating costs as a result of long crankcase charges, due to high oil stability.

**Mobil Rarus 827, 829**

Dedicated synthetic lubricants for severe duty, multistage compressors that provide outstanding deposit control and long lubricant life. These products also provide excellent air separation and possess low foaming tendencies. These superior lubricants are recommended for use in high-severity rotary and most reciprocating air compressors. They are especially effective in multi-stage units where there has been a history of excessive oil deposits, whether in large or small cylinders at high or low pressure. Mobil Rarus 800 Series are designed to lubricate both cylinders and crankcases and minimize carbon and sludge deposits in critical high temperature areas.

- Excellent oxidation and high temperature stability.
- Increased service intervals between cleaning of valves, parts and inter-coolers.
- Excellent air separation and minimum foaming tendency.
- Minimal deposit formation.
- High autogenous ignition temperatures and flash points.
- Reduced fire risk.
- Not compatible with mineral oils.

**Mobil Rarus SHC 1025, 1026**

Fully synthetic rotary screw air compressor lubricants designed for continuous high temperature duty. Their superior thermal and oxidation stability enables them to be particularly effective in screw type compressors with oil injection cooling and in compressors with high final compression temperatures or having tendencies towards coke formation and deposits. They are excellent in compressors where extended drain intervals, long service life and excellent protection against wear are required.

- Reduced maintenance and reduced lubricant consumption.
- Reduced fire and explosion risk.
- Prevents deposits and coking. No corrosion.
- Low volatility with high performance over a wide temperature range.
- Good air separation.
- Compatible with materials normally used in compressors.

Compressor Oils - Refrigeration

**Gargoye Arctic Oil 300**

A straight mineral, narrow cut, very low pour point naphthenic oil intended for the lubrication of both cylinders and bearings of reciprocating refrigeration compressors with all types of refrigerants except HFC-134A, similar HFCs and sulphur dioxide. Gargoye Arctic Oil 300 is suitable for a wide range of applications because of its low Freon 12 flow point, low pour point and suitable viscosity. Thermal stability minimises compressor piston ring and exhaust valve deposits.

- Very low pour point maintains evaporator efficiency.
- Low volatility maintains viscosity for long service life and low foam tendency.

**Gargoye Arctic SHC 226**

Synthetic industrial lubricant developed specifically for refrigeration compressors and formulated for severe service under conditions that are beyond the capabilities of conventional mineral oils. Gargoye Arctic SHC 226 is designed for reciprocating refrigeration systems with very high compressor temperatures but is also suitable for screw compressors and for use with systems incorporating very low evaporative temperatures. Prevents deposit formation in low temperature systems.

- Reduces discharge valve deposits and improves compressor efficiency.
- Very low pour point, zero wax content.
- High viscosity index and high temperature stability.
- Greater chemical stability in the presence of refrigerants.
- Low volatility and low solubility with refrigerants such as R12 and ammonia.
- Especially recommended for systems using R12, R22 and R114 refrigerants.
- Replaces and is compatible with Gargoye Arctic SHC 226E.

Gas Engine Oils

**Mobil Pegasus 1**

Synthetic oil designed for use in low, medium and high speed natural gas and land fill gas engines. This oil provides outstanding service in the most demanding turbo-charged and lean burn engines. With an inherently high viscosity index, Mobil Pegasus 1 provides a better protective film at temperatures of up to 40°C above the limits for conventional mineral oils. It will provide outstanding service in slow speed, 2 and 4 cycle gas engines, starting and operating under very low or very high operating temperatures.

Mobil Pegasus 1 can be used in gas engines using alternate energy sources for fuel. These include gases containing up to 0.3% sulphur such as hydrogen sulphide and small amounts of total organic halides, such as chlorine. Provides superior performance in gas engines operating at low, medium or high speeds.

- Maximum protection at high temperatures.
- Outstanding anti-wear, anti-scruff and valve seat protection.
- Extended oil and filter life compared with conventional mineral oils.

**Mobil Pegasus 1005**

Mobil Pegasus 1005 high performance gas engine oil is formulated to provide today’s high output, low-emission, fuel-efficient, 4 cycle engines with the highest levels of protection. It provides outstanding antiwear protection for heavily loaded valve train components while maintaining compatibility with catalytic converter materials. Mobil Pegasus 1005 controls the formation of carbon and varnish deposits to minimize oil consumption and maintain engine cleanliness even during extended drain intervals and helps keep engines running longer and cleaner.

- Outstanding performance.
- Extended oil life improves drain interval with improved engine reliability and increased productivity.
- Low oil volatility helps minimize engine exhaust system deposits.
- Exceptional wear protection helps control wear on critical engine components.

**Mobil Pegasus 805**

Mobil Pegasus 805 gas engine oil provides excellent oxidation, nitration and thermal stability with reduced levels of carbon and sludge formation and longer oil and filter life. This is a medium-ash oil which exhibits outstanding valve face and seat protection, optimised engine cleanliness, control of deposit formation and also provides protection against piston scuffing, scoring and cylinder wear.

- Extended oil drain intervals and longer filter life.
- Optimal valve and seat life.
- Maximum protection against piston scuffing, ring and liner wear.
- Improved engine cleanliness.
- Excellent resistance to oxidation and nitration.

**Mobil Pegasus 801**

Mobil Pegasus 801 is a premium performance gas engine oil intended for the lubrication of all classes of gas engines operating at low, medium and high speeds where low ash or ashless oils are recommended. Mobil Pegasus 801 is intended for the lubrication of the crankcase, power cylinders, and compressor cylinders of spark-ignited, two- and four-cycle gas engines operating on clean fuel. It is ideal for engines that drive generators for power production or gas compressors used in gathering, transmission, storage, and distribution of natural gas.

- Outstanding oxidation stability for longer oil and engine life.
- Excellent antiwear and anti-scuff protection.
- Exceptional nitration resistance and high level corrosion protection.

**Mobil Pegasus 710**

A mineral oil for turbocharged and naturally aspirated medium to high speed 4 cycle gas engines with outstanding resistance to valve train wear and protection against deposit formation. Engine cleanliness is enhanced and piston scuffing, scoring and cylinder wear are minimised.

- Excellent protection for valve guide faces and seats.
- Maximum protection against piston scuffing, scoring and cylinder liner wear.
- Improved engine cleanliness.
- Minimum ash deposits in lean-burn and low oil consumption gas engines.

**Mobil Pegasus 610**

For gas engines running on land fill gas or sour gas. Made from the highest quality selected base stocks to provide excellent oxidation, nitration and thermal stability, reduced levels of carbon, varnish and sludge formation and longer oil and filter life. Provides outstanding protection for turbo-charged and naturally aspirated medium and high speed, 4 cycle gas engines.

- Outstanding acid-neutralisation and control of corrosion system deposits.
- Excellent antiwear and anti-scuff protection.
- Very good control of valve and seat wear with excellent resistance to oxidation and nitration.
- Zinc and phosphorous free additives.

**Mobil Pegasus 805 SAE 40**

Designed to lubricate the crankcases and power and compression cylinders of 2 and 4 stroke gas fuelled engines.

- Extended oil life.
- Reduced overhaul costs.
Industrial

**Gear Lubricants - Enclosed**

**Mobilgear SHC 220, 320, 460, 680, 1000, 1500**

These oils are formulated from synthetic basestocks selected for their exceptional oxidation and thermal properties. They are particularly recommended for use on draglines and mining shovels.

- High viscosity, heavy-duty industrial gear lubricants intended for use in heavily loaded, low speed gears where boundary lubrication conditions often prevail. They are recommended specifically for heavily loaded, low speed open gearing which drives fixed rotating machinery. Product application is by spray nozzle systems.
- Excellent thermal/oxidation resistance and long product life
- Very high viscosity provides excellent EHL film protection of gears and bearings even at slow speeds, high loads and high temperatures
- Extremely high viscosity synthetic gear lubricants for ultra heavy duty applications designed specifically for use in heavily loaded, low speed gears where boundary lubrication conditions often prevail. They are designed specifically for heavily loaded, low speed open gearing which drives fixed rotating machinery. Product application is by spray nozzle systems. Specific applications include kilns and mills in mining, cement and limestone production and slow speed, heavily loaded plain and rolling contact bearings as found in sugar mills.
- Excellent protection of gear teeth under boundary lubrication conditions
- Extended gear life, less downtime and reduced maintenance and replacement costs
- Extremely high viscosity provides excellent EHL film protection of gears and bearings even at slow speeds, high loads and temperatures

**Mobilgear SHC XMP 320**

Mobilgear SHC XMP 320 is a high-performance, fully synthetic gear oil designed to provide optimum equipment protection and oil life under extreme conditions. Mobilgear synthesized hydrocarbon technology has been selected for its exceptional oxidation resistance and thermal properties with a naturally high viscosity index, excellent low temperature fluidity and none of the undesirable compounds which are often found in mineral oils. The high viscosity index and low traction coefficient of this oil combine to provide a significant reduction in power consumption in many gear drives. Mobilgear SHC XMP 320 contains an advanced and carefully blended additive package designed to provide excellent protection not only against conventional wear modes such as scuffing but also an improved level of protection against microscraping fatigue. In addition, compared to conventional gear oil chemistries, improved lubrication of rolling element bearings is achieved in most gearboxes, including wind turbines. Mobilgear SHC XMP 320 offers outstanding rust and corrosion protection versus conventional gear oils, no tendency to plug the filters even when wet, excellent resistance to foaming, seal compatibility equivalent to mineral oil products and excellent compatibility with non-ferrous metals even at elevated temperatures.

Mobil Glyglye 150, 220, 460, 680

Mobil Glyglye ISO Series lubricants are supreme performance gear, bearing and compressor oils designed to provide outstanding benefits in terms of efficiency, long oil life, and equipment protection. These fully synthetic, polyalkylene glycol (PAG) lubricants were developed for use under operating conditions beyond the capabilities of other synthetic and mineral oils. Their low pour points ensure excellent low-temperature fluidity. The unique formulation is designed to provide exceptional EP/antwear protection for critical equipment components, a high level of microscraping protection for sensitive gear systems, protection against rust and corrosion in service and resistance against foam build up. Their excellent lubricity and low traction coefficient result in increased energy efficiency and reduced bulk/system temperatures, making them suitable for use in worm gear applications, whilst their outstanding thermal and oxidative stability reduces sludge formation and deposits. These grades are suitable for use in food processing applications, being NSF H-1 registered. They are not compatible with mineral oils.

- Low coefficients of friction and traction
- High thermal conductivity, high viscosity index, low pour point and absence of wax
- Supers thermal and oxidative stability including sludge resistance as well as excellent antwear protection
- Very good resistance to corrosion and rusting

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- High thermal conductivity, high viscosity index, low pour point and absence of wax
- Supers thermal and oxidative stability including sludge resistance as well as excellent antwear protection
- Very good resistance to corrosion and rusting

**Mobilgear SHC 22M, 46M**

Mobilgear SHC 22M and 46M are supreme performance ultra high viscosity synthetic lubricants designed specifically for use in heavily loaded, low speed gears where boundary lubrication conditions often prevail. They are designed specifically for heavily loaded, low speed open gearing which drives fixed rotating machinery. Product application is by spray nozzle systems. Specific applications include kilns and mills in mining, cement and limestone production and slow speed, heavily loaded plain and rolling contact bearings as found in sugar mills.

- Excellent protection of gear teeth under boundary lubrication conditions
- Extended gear life, less downtime and reduced maintenance and replacement costs
- Excellent pummability at ambient temperatures
- Reduced lubricant consumption and disposal costs

**Mobilgear SHC 3200, 6800**

Extremely high viscosity synthetic gear oils for ultimate gear protection. Designed for use in systems where the oil is captured, filtered and recirculated resulting in minimal wastage and disposal problems.

- Excellent load-carrying and antwear properties
- Outstanding thermal/oxidation resistance and long product life
- Very high viscosity provides excellent EHL film protection of gears and bearings even at slow speeds, high loads and temperatures

**Visrex 1100, EP 320**

High viscosity, heavy-duty industrial gear lubricants intended for enclosed gear sets operating under severe service conditions. As a result of a unique additive system they provide outstanding anti-wear characteristics, enhanced oxidation stability, protection from corrosion and resistance from foaming. These products are blended from specially selected base stocks. They were developed for enclosed gearboxes on draglines used in the open cut mining industry which work under heavy and shock load conditions. Visrex Series are particularly recommended for the lubrication of dragline hoist, drag and swing enclosed gear sets with circulation or splash lubrication systems. They exceed the Buren and Marion benchmark requirements.

- Outstanding load-carrying properties as evaluated in laboratory tests and confirmed in field service
- Increased oxidation and thermal stability protects from formation of sludge and deposits, even at high bulk oil temperatures
- Increased protection against rust and corrosion for metals used in gear sets
- Longer lubricant charge life, reduced oil change labour costs, less down time, reduced lubricant and lubrication costs
- Lower operating costs, higher productivity and longer component life

**Gear Lubricants - Open**

**Mobilact 275 NC**

An unleaded, dielectric-type, heavy-bodied semi-fluid open gear lubricant. It contains a non-chlorinated, volatile solvent to ensure fluidity during application to gear teeth. Suitable for use in applications such as:

- Excellent protection of gear teeth under boundary lubrication conditions
- Excellent low-temperature pumpability, excellent resistance to water washout
- Minimal throw-off and dripping, reduced clean-up

**Mobilact 375 NC**

An unleaded, dielectric-type, heavy-bodied semi-fluid open gear lubricant. It contains a non-chlorinated, volatile solvent to ensure fluidity during application to gear teeth. Suitable for use in applications such as:

- Highly fluorescent, highly volatile solvent to ensure fluidity during application to gear teeth. Suitable for use in applications such as:
- Excellent protection of gear teeth under boundary lubrication conditions
- Excellent low-temperature pumpability, excellent resistance to water washout
- Minimal throw-off and dripping, reduced clean-up
Hydraulic Oils

**Mobil DTE 11M, 13M, 15M, 16M, 18M, 19M**

Super stabilised high VI anti-wear hydraulic oils with carefully controlled flow properties at low and high temperatures. They are extremely efficient in hydraulic systems operating in low or varying ambient temperatures and in hydraulic systems of special designs.

- Applicable for outdoor service under severe cold climatic conditions
- Less machine down time due to superior wear and corrosion protection
- Extended service life of pumps and critical components
- Superior low temperature fluidity with outstanding viscosity/temperature characteristics, optimising performance of hydraulic oils at low and high temperatures
- Outstanding load carrying and anti-wear properties
- Excellent oxidation and temperature stability reducing sludge and deposits
- Excellent rust protection, even in the presence of seawater
- Thin oil film inhibition provides rust protection to parts not always oil immersed
- Superior demulsibility and foam resistance

**Mobil DTE 24, 25, 26, 27, 28**

Premium quality hydraulic oils specifically for conventional and high pressure, high output hydraulic systems. They are formulated from stable quality basestocks and additives, designed to provide a high level of system cleanliness, excellent demulsibility, filterability and thin oil film rust inhibition. Mobil DTE 25 & 28 Series are intended primarily for hydraulic systems and hydraulic pumps under the most severe conditions in stationary and mobile applications. This includes high pressure systems, servo valves and all robotics in industrial service. They are also suitable for many circulating, splash and ring film lubrication systems.

- Excellent keep clean performance for systems subject to deposit build up
- Excellent filterability retention minimises filter plugging tendencies
- Outstanding load-carrying and anti-wear properties
- Good demulsibility for quick water separation and resistance to emulsification
- Excellent thin oil film protection against rusting
- Multi-metal compatibility under wet and dry conditions, protecting pumps using copper and steel alloy components

**Mobil DTE Excel 32, 46, 68**

Mobil DTE Excel Series oils are superior performance, zinc free hydraulic oils developed for use in high speed, high pressure piston, vane and gear pumps. They are formulated from high quality base stocks and specially selected super-stabilised additives. Their advanced antiwear anti-oxidation additive technology was developed to give exceptional corrosion protection for copper-based alloys in severe hydraulic applications such as high-pressure axial piston pumps. This unique additive system also gives the Mobil DTE Excel Series excellent compatibility with coolants used in metal working applications. These premium quality hydraulic oils are for use in high speed, high pressure piston, vane and gear pumps and especially suitable where high temperature pumps made with steel and copper alloy components are subject to water contamination.

- Unique antiwear anti-oxidation additives and very good multi-metal compatibility
- Outstanding thermal and oxidation stability
- Excellent corrosion protection

**Mobil Nuto H 46, 65,100**

Mobil Nuto H Series oils are premium quality hydraulic oils intended for industrial and mobile service applications where antiwear lubrication is required. These oils are designed to provide good performance in a range of hydraulic components used in systems subjected to moderate to severe operating conditions. They provide good protection against rust and corrosion in high humidity operations or where low levels of moisture are unavoidable.

- Excellent antiwear performance reducing pump wear and leading to long pump life
- High performance and smooth hydraulic operations due to fast air release, very good foam control and good water separability
- Excellent corrosion protection and filterability

**Mobil SHC 524, 526**

Mobil SHC 500 Series are exceptionally high quality, wide temperature, shear stable hydraulic oils with controlled low-temperature pumpability property and maximised antiwear properties for high pressure vane, piston and gear pumps. These products have excellent low and high temperature performance making them an excellent additive package for equipment subjected to a wide range of start-up and operating temperatures. To meet the critical requirements of high output systems, slit wars and deposits

- Good rust protection and antifoam characteristics
- Superior demulsibility and foam resistance
- Well suited for use in pumps subjected to periodic start-up/shutdown cycles
- Excellent antiwear performance and viscosity/temperature characteristics
- Excellent air separation characteristics and controlled demulsibility

**Mobil EAL 224H**

Developed to satisfy customer needs for a hydraulic and circulation oil which is readily biodegradable and non toxic. It provides anti-wear and film-strength characteristics necessary for hydraulic systems operating under moderate to severe conditions. It is formulated from High-Viscosity Index vegetable oils and additives to satisfy Mobil’s stringent criteria for biodegradability and toxicity.

- Readily biodegradable and virtually non toxic for environmental protection
- Outstanding load-carrying and anti-wear capability for superior protection against wear
- Multi-metal compatibility to protect pumps using copper alloy components
- Excellent performance against rust; good thin oil film rust protection of surfaces intermittently wetted by oil
- Can be used where ISO VG 32, 46, 68 grades are required

**Mobil Vacuoline 1405**

A special machine toolway oil with specific additives to eliminate chatter and stick-slip under moderate conditions while also acting as a machine tool hydraulic fluid in non-critical applications.

**Mobil Vactra No 2, No 4**

Use with all combinations of cast iron, steel and non-metallic sliding ways. Their outstanding lubricity and antiwear additives make them particularly suitable for extreme machining precision.

- Controlled frictional characteristics resulting in practically stick-slip free operation for any structural material, even under high loads and low speeds, producing superior work piece finish and closer tolerances
- Increased wear protection of slideways, supports, aprons and screws
- Increased rust and corrosion protection with long lubricant life in circulation systems

**Mobil Velocite Oils No 3, 6, 10**

Formulated from stable, low viscosity, light coloured basestock and a balanced additive package. They contain rust and oxidation inhibitors, lubricity additive, and a defoamant. They have high viscosity indices which allow for precise control of feed rates in lubricators where temperatures vary widely. Mobil Velocite oils are recommended for the lubrication of high speed spindle bearings on grinders and plain and anti-friction high speed bearings on textile machines. Mobil Velocite Oils may be applied by high speed drip feed, force feed, or vick feed, as well as by hand oiling and reservoir.

- Good wear protection, long service life
- Good rust protection and antifoam characteristics

**Mobilgard M50**

Extra high performance 50 TBN oils designed for use in severe residual-fuelled, medium speed diesel engines in marine and stationary power applications. These diesel engine oils have been specially formulated to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercoats. They provide excellent high temperature oxidation and thermal stability, low volatility, and high load carrying properties and corrosion protection.

**Mobilgard M340, M440**

Extra high performance 40 TBN oils designed for use in severe residual-fuelled, medium speed diesel engines in marine and stationary power applications. These diesel engine oils have been specially formulated to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercoats. They provide excellent high temperature oxidation and thermal stability, low volatility, and high load carrying properties and corrosion protection.

**Mobilgard M50**

Mobilgard M50 is a premium, extra high performance mineral oil designed for use in high speed diesel engines. High quality paraffinic base oils along with a balanced additive system provide excellent protection even for the severe operating conditions of the latest design, high output crosshead marine diesel engine.

**Mobilgard 312, 412**

Mobilgard 12 Series are 15 TBN high performance diesel engine oils developed for use in trunk piston engines operating on low sulphur distillate fuels in marine and industrial applications.

**Mobilgard M330, M430**

Extra high performance 30 TBN oils designed for use in severe residual-fuelled, medium speed diesel engines in marine and stationary power applications. These diesel engine oils have been especially formulated to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercoats. They provide excellent high temperature oxidation and thermal stability, low volatility, and high load carrying properties and corrosion protection.

**Mobilgard M340, M440**

Extra high performance 40 TBN oils designed for use in the most severe residual-fuelled, medium speed diesel engines in marine and stationary power applications. These diesel engine oils have been specially formulated to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercoats. They provide excellent high temperature oxidation and thermal stability, low volatility, and high load carrying properties and corrosion protection.

**Mobilgard M50**

Mobilgard M50 is a premium, extra high performance 50 TBN engine oil designed for use in the most severe residual-fuelled medium speed diesel applications found in marine and stationary power industries.
Industrial

Transformer Oils

Mobilsect 39, 44
High quality transformer oils with high dielectric strength and low water content. Mobilsect 39 is unhydrated; Mobilsect 44 contains an oxidation inhibitor.

Mobil SHC 825
Mobil SHC 825 turbine oil is designed specifically to meet the needs of the most severe industrial gas turbine applications and has a nominal 10,000 hour T10T life. It is recommended for the lubrication of land-based gas turbines, particularly units with less than 3,000 hp used as standby power units, and in some types of total energy and combined cycle (gas/steam) systems. These include severe stationary gas turbine applications, industrial gas turbines operating in low ambient, remote areas and total energy systems.

Mobil SHC 825 has the following builder approvals: Siemens TLY 9013 04 (approved) and Alstom HTGD 90117 (approved). Meets Solar ES 9-224 Class 1.

Mobil DTE 832, 846
Gas/steam turbine oils for use in steam turbines, gas turbines and combined cycle units with a common oil reservoir. Mobil DTE 800 Series high performance turbine oils are manufactured from very high quality (VHQ) base stocks and zinc free additives meeting the latest manufacturers’ requirements.

- Exceptional chemical and oxidation stability, demulsibility and optimal oil life
- Excellent protection against wear, rust and corrosion, gives lower operating costs
- Meet the anti-wear requirements of FZG stage 9
- Meet the requirements for Ingersoll-Rand Centa I and II Centrifugal air compressors


Mobil DTE 732, 746
Mobil DTE 700 Series are zinc free turbine lubricants specifically designed for use in steam and gas turbine applications. Mobil DTE 700 lubricants exhibit excellent water separability, resistance to emulsion formation with anti-foaming characteristics which provide reliable operation and enhanced air release properties which are critical for turbine hydraulic control mechanisms.

- Excellent water separability, superior oxidation, chemical and color stability, Zinc free
- Enhanced rust and corrosion protection
- Rapid air release and resistance to foaming


Other Industrial Lubricants

Exxon System Cleaner
Exxon System Cleaner is an oil soluble, solvent-free cleaner that removes emulsifiers, dispersants and rust inhibitors. It is safe for use with all ferrous and non-ferrous metals used in industrial equipment. A 5% concentration of Exxon System Cleaner in the system oil is typically recommended.

- Solvent free, oil-soluble cleaner
- High recommended for removing varnish, carbon, sludge and other contaminants from circulating lubrication systems, bearings, etc
- Safe for use with all ferrous and non ferrous metals
- Compatible with all seals up to 20% maximum concentration
- Equipment can operate normally during cleaning process

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- Safe for use with all ferrous and non ferrous metals
- Compatible with all seals up to 20% maximum concentration
- Equipment can operate normally during cleaning process

Mobil 600W Super Cylinder Oil
A premium quality, heavy bodied lubricant made from thermally stable basestocks. It is designed to reduce build-up of harmful deposits caused by the high operating temperatures in steam cylinders. Mobil 600W Super Cylinder Oil is compounded to maintain adequate lubricating and sealing films in steam cylinders, resist water washing and enhance load-carrying abilities. Mobil 600W Super Cylinder Oil whilst originally designed for lubricating steam cylinders, is recommended for couplings, bearings and break-in of compressor cylinders. Also used in splash-lubricated enclosed worm gear sets operating at moderate to high speeds and temperatures.

Wire Rope Oil
Wire rope oil is a lubricant specifically developed for the lubrication of large diameter wire ropes that travel over sheaves and operate in dusty environments and is recommended for the lubrication of both host and drag wire ropes used on draglines used in the mining industry.

- Extremely tacky, reduces fling-off
- No build-up on outer wire strands thus reducing the accumulation of stones and debris around the winch drum and along the rope pathway on field equipment
- Penetrates rope to reduce corrosion and fretting wear of wire strands
- Successfully lubricates the rope/sheave interface to reduce wear, even under high rope tension and large wrap angles around sheaves
- Additives assist in water repellency
- Increases rope life
Railroad Oils & Greases

Mobil RR 4013
- Mobil RR 4013 is a ‘Long Life’, SAE 40, zincl free railroad engine oil with a TBN of 13 which exceeds 4th generation performance standards.

Mobil RR Super 2413

Mobilith SHC RR 221
- Mobilith SHC RR 221 is an extended life multipurpose EP grease designed to meet the demanding requirements of the AAR M-942 standard for railcar wheel bearings.

Galena Tramo 3735
- A lithium grease recommended for locomotion traction motor gear cases. Meets the requirements of G.M.-EMD for AAR M-942 standard for railcar wheel bearings.

Mobilith SHC 460
- Mobilith SHC 460 is similar to the SHC 460 but is not coloured red.
- Excellent high temperature performance
- Excellent resistance to rust and corrosion
- Outstanding structural stability
- Excellent wear protection under heavy loads

Mobilith SHC 100, 220, 460, PM 460, 1500
- Outstanding synthetic multi-service greases, recommended for industrial and automotive applications under both high and low temperature operations. They are particularly suited for applications where moisture and/or condensation are critical factors. The Mobilith SHC PM 460 is similar to the SHC 460 but is not coloured red.
- High anti-wear and better stay-out properties at high temperatures

Metal Working Fluids

Mobil has an extensive range of metal working fluids. Consult Mobil for details of the product best suited for different applications.

Water Emulsifiable

Mobilcut 102
- A high quality cost effective multi-purpose water emulsifiable metal working fluid. Free from nitrates, phosphols and chlorinated additives. High oil content emulsion gives excellent machining performance on ferrous and non-ferrous metals, including aluminium and yellow metal alloys.

Neat Cutting Oil

Mobilmet 414
- Mobilmet 414 is a non-corrosive, multi-metal cutting oil developed to provide improved machining efficiency. It is light in colour which improves the visibility of the workplace and tools and is non corrosive to copper and copper alloys. Mobilmet 414 reduces cutting resistance, improves the surface finish and protects tooling from wear by the use of extreme pressure and antiwear additives. The product has been formulated using highly refined base stocks and chemically stable additives that ensure high levels of oxidation resistance and thermal stability. Mobilmet 414 is recommended for machining operations of all types on aluminium and aluminium alloys, magnesium and magnesium alloys, copper, brass, and bronze. It is also suggested for turning, boring, drilling reaming and automatic machining of nickel alloys, nitralloy steels, cast iron and alloy steels up to 200 Brinnell hardness.

Grease

High Performance Synthetic Greases

Mobilith SHC 100
- Synthetic, semi-fluid grease with excellent performance in spider bearings and grease filled gear cases subject to high temperatures. Also used in long life sealed heavy duty truck wheel bearings.

Mobilgrease 28
- Clay based synthetic grease suitable for high and low temperature applications and high speed bearings.

Electric Motor Greases

Mobil Polyrex EM
- Bearing performance is the most critical factor affecting the reliability of electric motors. Mobil Polyrex EM combines an advanced polyurea thickener with newly developed and innovative manufacturing technology to provide improved bearing performance, protection and longer life. Key performance features include:
  - Long, reliable service life, even at high temperatures
  - Greater durability, even when subjected to extended mechanical shearing forces
  - Low noise properties
  - Resistance to water washout
  - Resistance to rust and corrosion, even when exposed to fresh and mild salt water wash conditions

Contracting / Mining Greases

Mobilgrease CM-P
- An NLGI Grade 2 unlubed extreme pressure grease exhibiting high temperature characteristics, excellent resistance to softening even under severe working conditions and has good water resistance. This grease is recommended for highly loaded plain and antifriction bearings and other applications where the 3% molybdenum disulphide and high temperature thickener system will provide extraordinary performance.
  - Excellent resistance to water washout and excellent seal compatibility
  - Reduced wear and better stay-out properties at high temperatures

Mobilgrease XHP 681 Mine
- Extreme pressure grease fortified with 5% molybdenum disulphide for added wear protection over long lubrication intervals under conditions of high temperatures and heavy loads. Mobilgrease XHP 681 Mine is designed primarily for use in the mining industry where it is recommended for the lubrication of low speed, highly loaded plain and antifriction bearings.
  - Outstanding wear protection under heavy loading
  - Excellent resistance to water washout and outstanding structural stability
  - Highly adhesive smooth structure

Ronex AW 222 Moly
- Ronex AW 222 Moly is an extreme pressure grease fortified with 3% molybdenum disulphide for added wear protection. It is ideal for greasing oscillating and sliding lube points such as bucket and hinge pins in mining equipment and provides antiwear protection under heavy and shock loads.
  - Good resistance to rain, mud and other wet conditions
  - Excellent protection against rust and corrosion
  - Outstanding wear protection under heavy loading

Esso Z-50 Pipe Dope
- A drill rod lubricant used wherever an anti-seize compound is required. It incorporates a high percentage of solid type boundary lubricants and antiwear agents which provide extreme pressure properties and anti-seize performance. Used in drill rods and bolts where high torque or loading may cause seizure or binding of the metal threads.
  - Provides wear protection under heavy loading with an adhesive smooth surface. Resistant to water washout, rust and corrosion

General Service Grease

Mobilux EP 023, 0, 1, 2
- Lithium based, multipurpose, extreme pressure greases for lubricating anti-friction and plain bearings under wet and dry conditions.
  - Excellent extreme pressure/anti-wear performance
  - Excellent resistance to water washout. Easily dispersed

Mobilux EP III
- A lithium extreme pressure grease with a smooth tacky structure which is formulated with an extremely heavy base oil. It provides protection against wear in heavily loaded and sometimes misaligned gear couplings commonly found in spindles and other types of couplings in the primary metal industry.
  - Extended coupling life and reduced lubricant consumption
  - Excellent resistance to oil separation
  - Lead, chlorine and nitrite free
  - Increased protection against rust and corrosion
## Typical Properties

### Air Tool Oils
- **Mobil Almo 527**: 100 125 11.4 91 -36
- **Mobil Almo 530**: 220 230 12.7 98 -21
- **Mobil Almo 532**: 320 320 24.9 99 -21
- **Mobil Almo 535**: 460 460 32 96 -18

### Chain Lubricant
- **Mobil Pyrolube 300**: - 180 20.4 132 -46

### Circulating Oils
- **Mobil DTE Oil Light**: 32 31 4.4 102 -18
- **Mobil DTE Oil Medium**: 46 45 6.9 105 -18
- **Mobil DTE Oil Heavy**: 68 67 8.7 101 -18
- **Mobil DTE Oil Heavy Medium**: 110 105 10.2 102 -15
- **Mobil SHC 624**: 32 32 5.4 105 -18
- **Mobil SHC 626**: 68 70 10.9 147 -24
- **Mobil SHC 629**: 150 143 18.3 144 -45
- **Mobil SHC 630**: 220 216 28.9 145 -45
- **Mobil SHC 632**: 320 320 24.9 99 -21
- **Mobil SHC 635**: 460 460 32 96 -18

### Compressor Oils - Air
- **Mobil Rarus 424**: 32 32 5.4 105 -18
- **Mobil Rarus 425**: 46 46 6.9 105 -18
- **Mobil Rarus 426**: 68 68 8.9 105 -18
- **Mobil Rarus 427**: 100 105 11.6 101 -9
- **Mobil Rarus 429**: 150 147 14.7 100 -9
- **Mobil Rarus 430**: 220 216 28.9 145 -45
- **Mobil Rarus 432**: 320 320 24.9 99 -21
- **Mobil Rarus 435**: 460 460 32 96 -18
- **Mobil Rarus 827**: 100 108 10.1 66 -36
- **Mobil Rarus 829**: 150 158 13.2 71 -40
- **Mobil Rarus 1025**: 46 44 7.2 131 -39
- **Mobil Rarus 1026**: 68 67 10.7 136 -39

### Compressor Oils - Refrigeration
- **Mobilgear SHC 220**: 220 220 220 26 150 -36
- **Mobilgear SHC 320**: 320 320 320 35 155 -33
- **Mobilgear SHC 460**: 460 460 460 46 155 -27
- **Mobilgear SHC 680**: 680 680 680 62 160 -27
- **Mobilgear XMP 320**: 320 320 28.1 111 -33
- **Mobilgear XMP 460**: 460 460 39.2 90 -9
- **Mobilgear SHC XMP 320**: 320 335 38.3 164 -39
- **Mobilgear 600 XP**: 100 100 100 11.2 97 -24
- **Mobilgear 600 XP**: 150 150 150 14.7 97 -24
- **Mobilgear 600 XP**: 220 220 220 19 97 -24
- **Mobilgear 600 XP**: 320 320 320 24.1 97 -24
- **Mobilgear 600 XP**: 460 460 460 30.6 96 -15
- **Mobilgear 600 XP**: 680 680 680 36.2 94 -9
- **Mobilgear 600 XP**: 820 820 211 21 -18
- **Mobilgear Glygoyle 150**: 150 150 150 26.1 210 -33
- **Mobilgear Glygoyle 220**: 220 220 220 27.1 210 -33
- **Mobilgear Glygoyle 320**: 320 320 77.2 205 -33
- **Mobilgear Glygoyle 460**: 460 460 77.2 205 -33
- **Mobilgear Glygoyle 680**: 680 680 112.4 285 -33
- **Visrex 110**: 1200 62 703 -7
- **Visrex EP 320**: 320 320 27.8 113 -15

### Gear Lubricants - Enclosed
- **Mobilgear SHC 22M**: 22000 700 161 8
- **Mobilgear SHC 46M**: 46000 1375 161 8
- **Mobilgear SHC 1020**: 3200 3203 171 161 -10
- **Mobilgear SHC 680**: - 8100 390 170 8

### Gear Lubricants - Open
- **Mobilgear SHC 22M**: 22000 700 161 8
- **Mobilgear SHC 46M**: 46000 1375 161 8
- **Mobilgear SHC 1020**: 3200 3203 171 161 -10
- **Mobilgear SHC 680**: - 8100 390 170 8

### Hydraulic Oils
- **Mobil DTE 11M**: 15 15 3.6 148 -42
- **Mobil DTE 13M**: 46 46 6.7 141 -61
- **Mobil DTE 15M**: 68 68 8.8 137 -61
- **Mobil DTE 18M**: 100 100 12 102 -13
- **Mobil DTE 19M**: 150 150 16.55 118 -27
- **Mobil DTE 21**: 52 52 5.29 98 -27
- **Mobil DTE 25**: 68 71 8.93 98 -21
- **Mobil DTE 27**: 96 96 10.9 98 -21
- **Mobil DTE 29**: 128 128 14.08 98 -21
- **Mobil DTE 32**: 192 192 18.06 98 -21
- **Mobil DTE 35**: 243 243 21.8 98 -21
- **Mobil DTE 41**: 326 326 26.7 98 -21
- **Mobil DTE 46**: 46 46 6.7 95 -18
- **Mobil DTE 51**: 68 68 8.5 95 -12
- **Mobil DTE 56**: 100 100 11.1 95 -8
- **Mobil SHC 524**: 32 32 6.4 144 -54
- **Mobil SHC 526**: 68 68 11.5 153 -42
- **Mobil Ext. 224H**: 52 57 8.3 212 -54
**INDUSTRIAL**

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**MIL LUBRICANTS**

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**MINING OILS**

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**MARINE OILS**

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**Other Industrial Lubricants**

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**Railroad Oils**

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<td>Mobil RR Super 2413</td>
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**METAL WORKING FLUIDS**

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**GREETES**

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| Electric Motor Greases |                  |             |                            |               |        |
| Polyurea              | 2                | 130         | 20                         | 250           | Blue   |

**Contracting / Mining Greases**

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**Multi Service Industrial Greases**

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**General Service Greases**

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**Aviation**

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**Automotives**

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**Railroad Grease**

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**Neat Cutting Oil**

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