

moving things forward

PREMIUM LUBRICANT OIL
OIL AND GAS
INDUSTRY

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INTRODUCTION

We provide a complete range of high quality marine lubricants that are designed to protect and enhance the efficiency of engines and equipment. All of our products are backed by our industry-leading technical support services and used oil testing services that enable optimal maritime operation.

Johnson Marine delivers the latest technology and state of oil Marine Grade Range. It covers main and minor grades of proven quality.

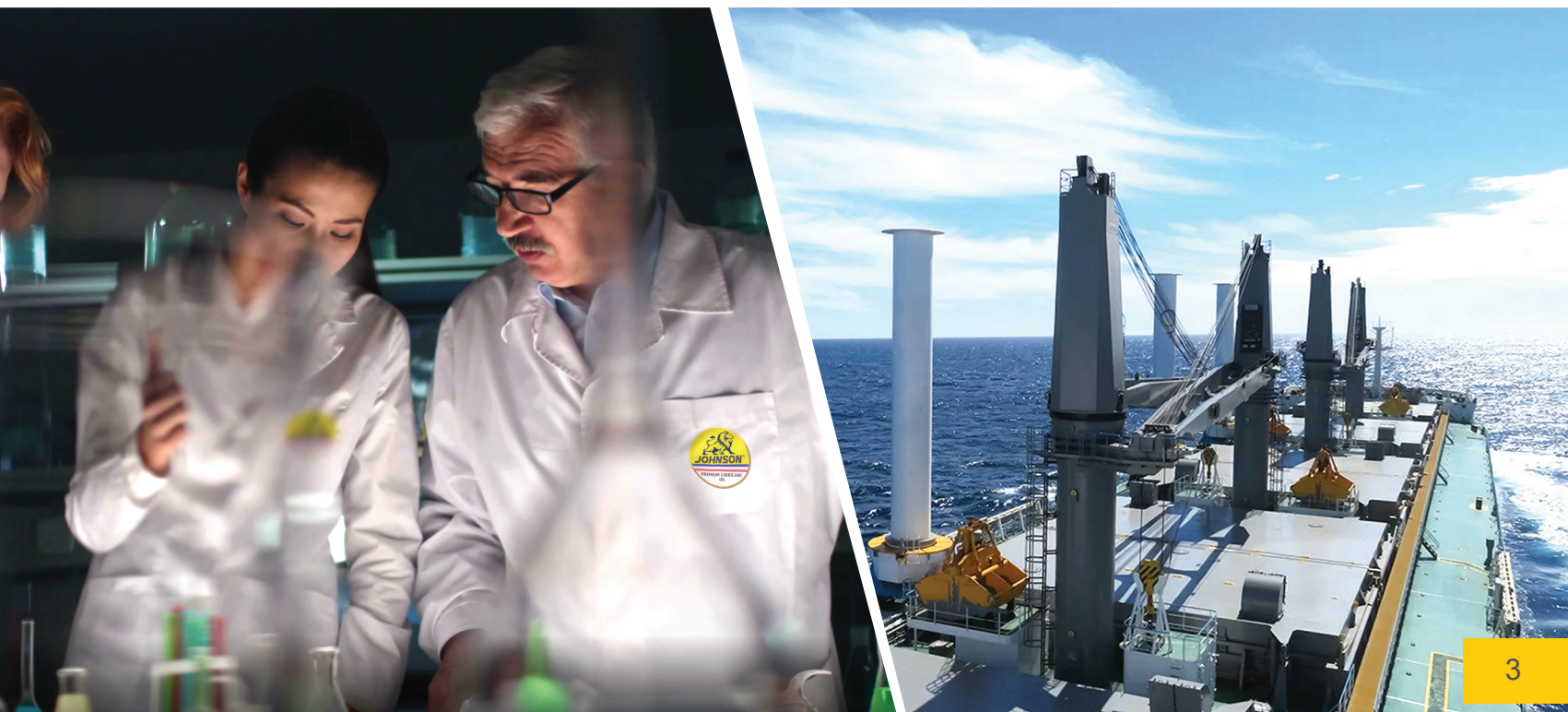
QUALITY ASSURANCE

Our Engines oils have excellent deposits and wear control and meets the demand of latest and highly rated engines designs as well as all other applications.

Our Two-Stroke engine oils range consist of system oil and known for low sulphur application

Our Four-Stroke engine oil offers different level of alkalinely-reserve and covers highly loaded engines at low lube oil consumption from distillate to heavy fuel operations.

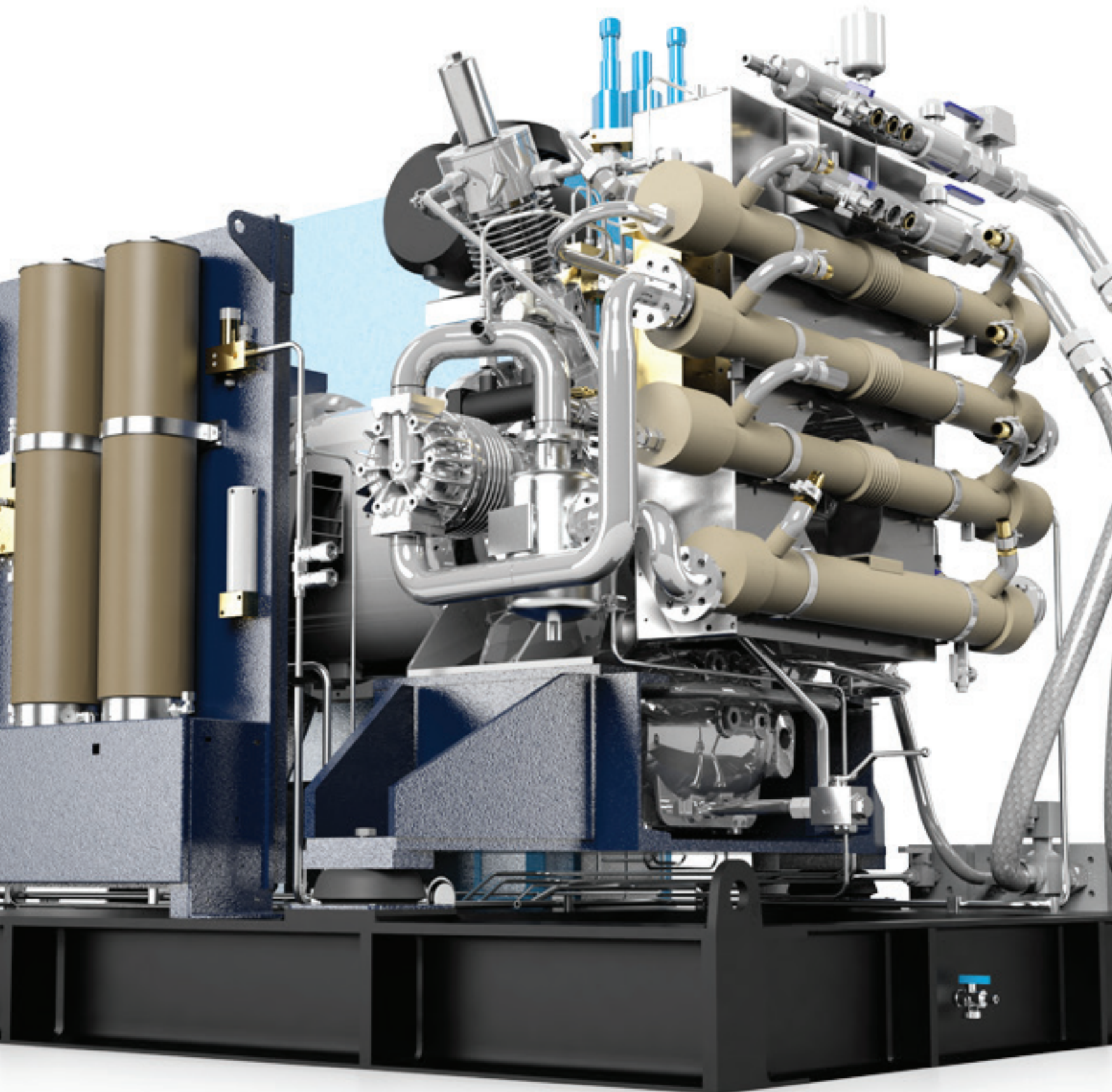
We offer very high quality product range for ancillary machinery application a cooperation with one leading marine additive manufacturing, that is covering Hydraulic / Gear / Compressor / Turbine / Refrigeration / Grease, exclusive from Johnson.



OFFSHORE RIG



AIR COMPRESSOR OIL



AIR COMPRESSOR OIL

AIR COMPRESSORS 1000 (SYNTHETIC)

JOHNSON AIR COMPRESSOR Series is a line of supreme performance oils primarily intended for the lubrication of severe duty rotary screw and vane air compressors. This product line is particularly suited for severe service where mineral oil-based products are not meeting expectations such as in severe applications subjected to high final compression temperatures or where extended oil drain intervals are desired. Series formulated with wax-free synthetic hydrocarbon fluids and a high technology additive system that assures exceptional resistance to oxidation and thermal degradation far superior to mineral oil-based air compressor oils.. Series provide excellent wear protection and outstanding resistance to oxidation and thermal degradation, greatly superior to mineral oils. Their unique formulation provides the ability to reduce maintenance costs through minimizing equipment problems and downstream deposits and carryover.

ISO 32, ISO 46, ISO 68 ISO 100 ISO 150



DECK APPLICATIONS OIL



GEAR GUARD 5000 (MINERAL)

JOHNSON GEAR GUARD 5000 Series lubricants are exceptional performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity. These scientifically engineered oils are formulated using the latest proprietary and advance technology to provide outstanding and balanced performance in demanding applications at high and low temperatures. Gear 5000 products feature excellent low temperature properties, as well as improved air release performance in the lower viscosity grades. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

GEAR GUARD 10000 (SYNTHETIC)

JOHNSON GEAR GUARD 10000 Gear Series is a line of exceptional performance, synthetic industrial gear oils designed to provide outstanding protection of gears and bearings, extended oil life even under extreme conditions, helping to enable problem-free operation of equipment and increased customer productivity. These scientifically engineered synthetic lubricants are formulated from synthetic base fluids that have exceptional oxidation and thermal properties and excellent low temperature fluidity. The high viscosity index of these oils deliver less change in viscosity with changes in temperature, enabling wider operating temperature range and improved low temperature startup. Gear Guard 10000 Series lubricants contain an advanced proprietary additive system designed to provide excellent protection against conventional wear modes such as scuffing as well as a high level of resistance against micropitting fatigue. In addition, compared to conventional gear oil chemistries, it offers the potential for improved lubrication of gearbox rolling element bearings. Gear Guard 10000 Series products offer outstanding rust and corrosion protection relative to conventional gear oils, even in the presence of seawater contamination. They show no tendency to plug fine filters even when wet and have excellent compatibility with ferrous and non-ferrous metals even at elevated temperatures. Gear Guard 10000 Series also exhibit outstanding compatibility with elastomers in static seal tests. They have outstanding EP properties that provide protection even under shock load conditions. The synthetic base stocks used in Mobil SHC Gear Series oils have inherently low traction properties that result in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling element bearings. Reduced fluid friction produces lower operating temperatures and can help improve gear efficiency.

Gear Guard 10000 lubricants are recommended for enclosed industrial gear drives including steel-on-steel spur, helical, and bevel gears. They are especially recommended for applications that may be subject to micropitting: especially heavily loaded gearboxes with surface-hardened tooth metallurgies. It may also be used in gear applications where extreme low and/or high temperatures are encountered and applications where corrosion may be severe.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

HYDCIR SYN (SYNTHETIC)

JOHNSON HYDCIR SYN Series oils are super premium, high performance fully synthetic environmentally aware hydraulic and circulating oils designed to provide outstanding performance in systems operating at moderate to severe conditions. They provide excellent wide temperature range performance above and beyond the capabilities of non-synthetic environmentally aware oils. HYDSIR Series provides exceptional anti-wear and film strength characteristics necessary for hydraulic systems operating under high load and high pressures. This is verified by their excellent wear control in the ASTM D 2882 and Vickers 35VQ25 Pump Wear Tests. Their 12-stage rating in the FZG Gear Load Test demonstrates a high level of protection against wear and scuffing and the suitability of this product to protect gears and bearings used in conjunction with hydraulic systems. HYDSIR Series provide excellent protection against corrosion and ensures very good multi-metal compatibility allowing its use in systems employing various metallurgy that may be used in pump and component design. They also provide very good thin oil film protection against rusting. In addition to their exceptional performance capability, they satisfy the requirements for ready biodegradability and non-toxicity making them a desirable product for severe operating conditions where leakage or spillage of conventional oils could result in damage to the environment.

HYDSIR Series oils are formulated from select, high-quality, high-VI synthetic base oil materials and high technology additive system specifically engineered to meet or exceed the performance requirements of most hydraulic pump and system builders while satisfying the stringent criteria for biodegradability and toxicity. Compared to the best vegetable oil-based and synthetic ester based hydraulic oils, these products provide improved oxidation stability and anti-foam performance, together with improved high and low temperature performance (-20° F to 200° F).

ISO 32, ISO 46, ISO 68

HYDRO FLUID

JOHNSON HYDRO FLUID Series are high performance anti-wear hydraulic oils specifically designed to meet the needs of modern, high pressure, industrial and mobile equipment hydraulic systems.

HYDRO FLUID Series is constructed from selected base oils and a proprietary additive package to provide well balanced performance in a range of applications. The products demonstrate outstanding oxidation and thermal stability allowing for long oil life and minimized deposit formation in severe hydraulic systems using high pressure, high output pumps. The innovative ultra keep-clean performance protects critical hydraulic system components from malfunction, such as tight tolerance servo and proportional valves found in many modern hydraulic systems. The shear stable, high viscosity index allows for a wide range of operating temperatures maintaining maximum hydraulic efficiency and utmost component protection at both low and high temperatures. Outstanding air release properties represent an added measure of protection in systems with low residence time helping to prevent cavitation damage and micro dieseling. The zinc free anti-wear system provides a high degree of protection in gear, vane and piston pumps while also minimizing deposit formation. In addition, Mobil DTE 10 Excel is not acutely or chronically toxic to the aquatic environment (per GHS criteria and OECD testing).

Formulated with extensive laboratory and in-service field testing, HYDRO FLUID series can help provide quantifiable increases in hydraulic efficiency compared to other HYDRO FLUID oils. This can translate to reduced power consumption or increased machine output, resulting in monetary savings.

In controlled laboratory efficiency testing, HYDRO FLUID Excel series were measured to provide up to a six percent improvement in hydraulic pump efficiency compared to HLP standard hydraulic fluids when operating in standard hydraulic applications.

ISO 15, ISO 22, ISO 32, ISO 46, ISO 68, ISO 100, ISO 150

RUST PREVENTIVE

RUSPER

JOHNSON RUSPER contains three premium performance rust preventives that cover a range of applications including storage and inter-operational activities. RUSPER intended for protection cold-rolled sheet and coiled steel in the metal industry. RUSPER is intended for the lubrication and rust protection of wire rope in industrial, construction, mining and marine applications. The RUSPER products exhibit excellent water displacing properties and form thin tenacious films that protect surfaces even under severe conditions that include high moisture levels and exposure to acid or corrosive fumes.

The RUSPER forms wet, oily and extremely thin barrier films that are not tacky so that it will not attract dirt or other foreign matter. It will protect sheet and coiled steel for up to twelve months, even under severe conditions that include variations in humidity and exposure to acid fumes that might be found in the vicinity of pickling operations.

RUSPER forms a grease-like film that protects wire ropes from corrosion tendencies of salt spray and moisture-laden atmospheres. It is effective throughout the extremes of temperature that may be encountered at sea and gives good protection against mild acids. It is pliable at 35°C and will not drip at 60°C. It resists throw-off in high-speed service and adheres without being tacky or stringy. The film is self-healing and does not chip.

HD GEAR

JOHNSON GEAR GUARD 10000 Series are extra high performance gear oils having outstanding extreme pressure characteristics and load-carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems. HD GEAR Series is designed to stay ahead of the changing needs of gearbox technology. Gearbox technology design trends are towards smaller units with similar power throughput. This increase in power density places increased demands on gear oils. HD GEAR Series oils are formulated to meet the stress by providing extra protection for gears, bearings and seals.

HD GEAR Series is formulated to protect gear teeth from wear at its earliest stages. Microscopic wear, called micro-pitting, can lead to significant gear tooth damage. HD GEAR Series exceeds the industry requirement for bearing wear protection. In fact, HD GEAR Series provides up to 18 times the wear protection as measured by the industry standard FAG FE 8 test. HD GEAR Series' balanced formulation is able to provide maximum wear and corrosion protection while maintaining compatibility with common gearbox seal materials. HD GEAR helps to maintain gearbox seal integrity thereby preventing oil leaks and keeping contamination out. By protecting the gears, bearings and seals, HD GEAR can improve equipment reliability and increase productivity.

HD GEAR Series oils are recommended for industrial spur, helical and bevel enclosed gears with circulation or splash lubrication, operating at bulk oil temperatures up to 100°C. They are particularly suitable for gear sets working under heavy or shock loads. HD GEAR oils also find broad application in marine gearing applications. They may also be used in non-gear applications include highly loaded and slow speed plain and rolling contact bearings.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

HD GEAR (SYNTHETIC)

JOHNSON HD GEAR (SYNTHETIC) Series is a line of exceptional performance, synthetic industrial gear oils designed to provide outstanding protection of gears and bearings, extended oil life even under extreme conditions, helping to enable problem-free operation of equipment and increased customer productivity. These scientifically engineered synthetic lubricants are formulated from synthetic base fluids that have exceptional oxidation and thermal properties and excellent low temperature fluidity. The high viscosity index of these oils deliver less change in viscosity with changes in temperature, enabling wider operating temperature range and improved low temperature startup. HD GEAR (SYNTHETIC) Series lubricants contain an advanced proprietary additive system designed to provide excellent protection against conventional wear modes such as scuffing as well as a high level of resistance against micropitting fatigue. In addition, compared to conventional gear oil chemistries, it offers the potential for improved lubrication of gearbox rolling element bearings. Mobil SHC Gear Series products offer outstanding rust and corrosion protection relative to conventional gear oils, even in the presence of seawater contamination. They show no tendency to plug fine filters even when wet and have excellent compatibility with ferrous and non-ferrous metals even at elevated temperatures. HD GEAR (SYNTHETIC) Series also exhibit outstanding compatibility with elastomers in static seal tests. They have outstanding EP properties that provide protection even under shock load conditions. The synthetic base stocks used in HD GEAR (SYNTHETIC) Series oils have inherently low traction properties that result in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling element bearings. Reduced fluid friction produces lower operating temperatures and can help improve gear efficiency.

HD GEAR (SYNTHETIC) lubricants are recommended for enclosed industrial gear drives including steel-on-steel spur, helical, and bevel gears. They are especially recommended for applications that may be subject to micropitting: especially heavily loaded gearboxes with surface-hardened tooth metallurgies. It may also be used in gear applications where extreme low and/or high temperatures are encountered and applications where corrosion may be severe.

ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

PRO GEAR

JOHNSON HYDCIR SYN Series oils are super premium, high performance fully synthetic environmentally aware hydraulic and circulating oils designed to provide outstanding performance in systems operating at moderate to severe conditions. They provide excellent wide temperature range performance above and beyond the capabilities of non-synthetic environmentally aware oils. HYDSIR Series provides exceptional anti-wear and film strength characteristics necessary for hydraulic systems operating under high load and high pressures. This is verified by their excellent wear control in the ASTM D 2882 and Vickers 35VQ25 Pump Wear Tests. Their 12-stage rating in the FZG Gear Load Test demonstrates a high level of protection against wear and scuffing and the suitability of this product to protect gears and bearings used in conjunction with hydraulic systems. HYDSIR Series provide excellent protection against corrosion and ensures very good multi-metal compatibility allowing its use in systems employing various metallurgy that may be used in pump and component design. They also provide very good thin oil film protection against rusting. In addition to their exceptional performance capability, they satisfy the requirements for ready biodegradability and non-toxicity making them a desirable product for severe operating conditions where leakage or spillage of conventional oils could result in damage to the environment.

HYDSIR Series oils are formulated from select, high-quality, high-VI synthetic base oil materials and high technology additive system specifically engineered to meet or exceed the performance requirements of most hydraulic pump and system builders while satisfying the stringent criteria for biodegradability and toxicity. Compared to the best vegetable oil-based and synthetic ester based hydraulic oils, these products provide improved oxidation stability and anti-foam performance, together with improved high and low temperature performance (-20° F to 200° F).

ISO 32, ISO 46, ISO 68

PRO GEAR

DRAW WORKS/ WINCH

JOHNSON PRO GEAR Series lubricants are exceptional performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity. These scientifically engineered oils are formulated using the latest proprietary and patent pending PRO GEAR technology to provide outstanding and balanced performance in demanding applications at high and low temperatures PRO GEAR products feature excellent low temperature properties, as well as improved air release performance in the lower viscosity grades. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity.

PRO GEAR Series products have low traction coefficients relative to mineral oils which derive from the molecular structure of the base stocks used. This results in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling contact bearings. Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption. Mobil SHC 600 Series products have demonstrated up to 3.6% improvement in energy efficiency in controlled laboratory testing(*). PRO GEAR Series formulation also provides excellent resistance to oxidation and deposit formation at elevated temperatures, as well as exceptional resistance to rusting and corrosion, anti-wear, demulsibility, foam control and air release properties, and multi-metal compatibility. PRO GEAR Series oils maintain good compatibility with seals and other materials used in equipment normally lubricated with mineral oils.

PRO GEAR Series lubricants are suitable for use in a wide range of equipment, not only as high temperature problem solvers, but also because of the other benefits they offer.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

GREASE HT

JOHNSON GREASE HT Series greases are superior performance products designed for a wide variety of applications at extremes of temperature. They combine the unique features of synthetic base fluids with those of a high quality lithium complex thickener. The wax-free nature of synthetic fluids and the low coefficient of traction (compared with mineral oils), provide excellent low temperature pumpability and very low starting and running torque. These products offer the potential for energy savings and can reduce operating temperatures in the load zone of spherical roller and ball bearings. The lithium complex thickener contributes excellent adhesion, structural stability and resistance to water. The greases have a high level of chemical stability and are formulated with special additive combinations to provide excellent protection against wear, rust and corrosion, and providing operating viscosity at high and low temperatures. GREASE HT Series greases are available in seven grades, varying in base oil viscosity from ISO VG 100 to 1500 and in NLGI grade from 3 to 00.

NLGI 00, NLGI 2, NLGI 3

GREASE EP

IRON ROUGH NECK

JOHNSON GREASE EP Series lubricants are exceptional performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity. These scientifically engineered oils are formulated using the latest proprietary and patent pending GEAR EP technology to provide outstanding and balanced performance in demanding applications at high and low temperatures. GEAR EP products feature excellent low temperature properties, as well as improved air release performance in the lower viscosity grades. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity.

GEAR EP Series products have low traction coefficients relative to mineral oils which derive from the molecular structure of the base stocks used. This results in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling contact bearings. Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption. Produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

HYDRAULIC COMPENSATOR OIL



HYDRO POWER

ENVIROSYN H SERIES

JOHNSON HYDRO POWER Series oils are super premium, high performance fully synthetic environmentally aware hydraulic and circulating oils designed to provide outstanding performance in systems operating at moderate to severe conditions. They provide excellent wide temperature range performance above and beyond the capabilities of non-synthetic environmentally aware oils. HYDRO POWER Series provides exceptional anti-wear and film strength characteristics necessary for hydraulic systems operating under high load and high pressures. This is verified by their excellent wear control in the ASTM D 2882 and Vickers 35VQ25 Pump Wear Tests. Their 12-stage rating in the FZG Gear Load Test demonstrates a high level of protection against wear and scuffing and the suitability of this product to protect gears and bearings used in conjunction with hydraulic systems. HYDRO POWER Series provide excellent protection against corrosion and ensures very good multi-metal compatibility allowing its use in systems employing various metallurgy that may be used in pump and component design. They also provide very good thin oil film protection against rusting. In addition to their exceptional performance capability, they satisfy the requirements for ready biodegradability and non-toxicity making them a desirable product for severe operating conditions where leakage or spillage of conventional oils could result in damage to the environment.

HYDRO POWER Series oils are formulated from select, high-quality, high-VI synthetic base oil materials and high technology additive system specifically engineered to meet or exceed the performance requirements of most hydraulic pump and system builders while satisfying the stringent criteria for biodegradability and toxicity. Compared to the best vegetable oil-based and synthetic ester based hydraulic oils, these products provide improved oxidation stability and anti-foam performance, together with improved high and low temperature performance (-20° F to 200° F).

ISO 32, ISO 46, ISO 68

GEAR TORQ

JACKING SYSTEM

JOHNSON GEAR TORQ Series lubricants are exceptional performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity. These scientifically engineered oils are formulated using the latest proprietary and patent pending GEAR TORQ technology to provide outstanding and balanced performance in demanding applications at high and low temperatures. GEAR TORQ products feature excellent low temperature properties, as well as improved air release performance in the lower viscosity grades. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity.

GEAR TORQ Series products have low traction coefficients relative to mineral oils which derive from the molecular structure of the base stocks used. This results in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling contact bearings. Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption.

GEAR TORQ Series lubricants are suitable for use in a wide range of equipment, not only as high temperature problem solvers, but also because of the other benefits they offer.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

GREASE EP

IRON ROUGH NECK

JOHNSON GREASE EP Series lubricants are exceptional performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity. These scientifically engineered oils are formulated using the latest proprietary and patent pending GEAR EP technology to provide outstanding and balanced performance in demanding applications at high and low temperatures. GEAR EP products feature excellent low temperature properties, as well as improved air release performance in the lower viscosity grades. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity.

GEAR EP Series products have low traction coefficients relative to mineral oils which derive from the molecular structure of the base stocks used. This results in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling contact bearings. Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

LIFE BOAT & ENGINE OIL



XP ENGINE OIL

ENVIROSYN H SERIES

JOHNSON XP ENGINE OIL is a supreme performance, synthetic diesel engine oil specifically formulated to address the needs of high power, distillate fueled diesel engines. It provides unsurpassed lubrication including long drain capability and extended engine life for today's marine diesel engines operating in severe applications.

The unsurpassed performance capabilities of XP ENGINE OIL are the result of extensive cooperative development work with major equipment builders combined with the latest engine lubrication engineering. It is especially effective in extreme temperature applications. A true SAE 40 grade lubricant, on very hot engine parts, it provides stronger lubrication film strength than most SAE 50 engine oils. At low temperatures, it flows like an SAE 20W product and thus provides outstanding start-up reliability and wear protection at extreme low temperatures as low as -54°C. Revolutionary load carrying additives also make XP ENGINE OIL an outstanding wide temperature range gear lubricant.

SAE 20W/40

MAIN AND AUXILIARY ENGINE OIL



LXP 15W-40

EXTRA HIGH PERFORMANCE DIESEL ENGINE OIL

JOHNSON LXP ENGINE OIL 15W-40 is an extra high performance diesel engine oil that provides excellent lubrication of today's diesel engines promoting extended engine life. As a result, this product meets or exceeds the specifications of virtually all major European and American engine manufacturers. This extra high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets.

The advanced chemistry of this product provides outstanding performance in both modern, demanding low-emission diesel engines and older diesel engines operating on low or high sulphur fuel. LXP ENGINE OIL 15W-40 is a biodiesel compatible* and combines a blend of high performance base stocks with a progressive additive system to provide superior control of oil thickening due to soot build-up and high temperatures as well as outstanding resistance to oxidation, corrosion, and high temperature deposits.

SAE 15W/40

MUD AGITATOR OIL



GEAR WR

EXTRA HIGH PERFORMANCE DIESEL ENGINE OIL

JOHNSON GEAR WR is synthetic circulating and gear oils have delivered premium performance and maximized production uptime in industrial gearboxes operating in extreme temperatures and under heavy loads. Recommended for use in more than 1,800 applications by more than 500 major equipment builders, GEAR WR Series synthetic lubricants continue to be recognized by OEMs addressing specific lubrication challenges while maintaining excellent overall performance.

GEAR WR Series synthetic lubricants can reduce energy consumption in gearboxes and circulating systems. They can also:

- Extend oil life by up to six times vs. conventional oil
- Offer similar seal and metals compatibility as conventional oils
- Operate in a wide range of industrial applications

ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

Benefits of **GEAR WR** Series may include:

- Extended relubrication intervals and bearing life
- Reduction in maintenance costs
- High resistance to water wash-out and spray-off
- Protection in a wide range of operating temperatures
- Extreme pressure performance with heavy loading and shock loading



MUD PUMP OIL

HD BEARING

JOHNSON HD BEARING Series lubricants are supreme performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation. They are formulated from synthesised, wax-free hydrocarbon base fluids. The combination of a naturally high viscosity index and a unique, proprietary, additive system enables these products to provide outstanding performance in extreme service applications at high and low temperatures, well beyond the capabilities of mineral oils. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity. HD BEARING Series products have low traction coefficients, which derive from the molecular structure of the base stocks used. This results in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling contact bearings. Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption. It also results in extended parts life and allows for more economical equipment design. The base oils used in the Mobil SHC 600 Series have outstanding response to antioxidant additives resulting in superior resistance to oxidation and sludging, especially at high temperatures. The additive combination used in these oils also provides exceptional resistance to rusting and corrosion, very good antiwear, demulsibility, foam control and air release properties, as well as multimetal compatibility. HD BEARING Series oils are also compatible with the same seal and other construction materials used in equipment normally lubricated with mineral oils. The leading edge technology on which HD BEARING lubricants have always been based has made these the products of choice for operators of a wide range of equipment, worldwide. While initially recognised as a high temperature problem solver, these products are now used in many industrial applications because of the range of benefits they offer.

ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000

PROPULSION SYSTEM



GEAR PS

JOHNSON GEAR PS Series lubricants are exceptional performance gear and bearing oils designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity. These scientifically engineered oils are formulated using the latest proprietary and patent pending GEAR PS technology to provide outstanding and balanced performance in demanding applications at high and low temperatures GEAR PS products feature excellent low temperature properties, as well as improved air release performance in the lower viscosity grades. These products are resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications, so that there is virtually no loss of viscosity. GEAR PS Series products have low traction coefficients relative to mineral oils which derive from the molecular structure of the base stocks used. This results in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling contact bearings. Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power consumption.

ISO 32, ISO 46, ISO 68, ISO 100, ISO 150, ISO 220, ISO 320, ISO 460, ISO 680, ISO 1000



PACKAGING

AIR COMPRESSOR OIL

PRODUCTS	BULK	IBC 1000L	DRUM 208 L	Container 20L	Container 4L	Container 1L
AIR COMPRESSORS 1000 SYNTHETIC				●	●	●

DECK APPLICATION OIL

GEAR GUARD 5000 (MINERAL)				●	●	●
GEAR GUARD 10000 (SYNTHETIC)				●	●	●
HYDCIR SYN (SYNTHETIC)				●	●	●
HYDRO FLUID				●	●	●

RUST PREVENTIVE

RUSPER				●	●	●
HD GEAR				●	●	●
HD GEAR (SYNTHETIC)				●	●	●
PRO GEAR				●	●	●
PRO GEAR				●	●	●

GREASES

PRODUCTS	DRUM 180 KG	BUCKET 18 KG	BUCKET 5 KG	BUCKET 1 KG	BUCKET 500 KG	BUCKET 250 KG
GREASE HT	●	●	●	●	●	●
GREASE EP	●	●	●	●	●	●

HYDRAULIC COMPENSATOR OIL

PRODUCTS	BULK	IBC 1000L	DRUM 208 L	Container 20L	Container 4L	Container 1L
ENVIROSYN H SERIES			●	●		
GEAR TORQ			●	●		

GREASES

PRODUCTS	DRUM 180 KG	BUCKET 18 KG	BUCKET 5 KG	BUCKET 1 KG	BUCKET 500 KG	BUCKET 250 KG
GREASE EP	●	●	●	●	●	●

PACKAGING

LIFE BOAT & ENGINE OIL						
PRODUCTS	BULK	IBC 1000L	DRUM 208 L	Container 20L	Container 4L	Container 1L
XP ENGINE OIL				●	●	●
MAIN AND AUXILIARY ENGINE OIL						
LXP 15W 40				●	●	●
MUD AGITATOR OIL						
GEAR WR				●	●	●
MUD PUMP OIL						
HD BEARING				●	●	●
PROPULSION SYSTEM						
GEAR PS				●	●	●





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