

INDUSTRY/MACHINE OIL

- The following products are factory direct deployment
- Reduce costs, improve efficiency, achieve the effect of mechanical maintenance.
- Provide the required package, use the most convenient packaging materials packaging products.
- If within the following product of industrial oil, can be customized deployment :

Product	Designation	Functional Description
Circulation Oil	R32 R46 R68 R90	◆Widely used in various circulation to a variety of mechanical plain bearing oil system, the work of the sliding part of the general parts of machinery.
Super Circulation	SR100 SR150 SR220	◆Used in a variety of high-speed loop to the oil bearing, high viscosity that are widely used in various large load of high temperature bearing lubrication.
Hydraulic Oil	AW32 AW46 AW68	◆Universal anti-wear hydraulic oil can withstand a variety of demanding industrial hydraulic system loads, reducing engine wear and extending component life.
Slideway Oil	S32 S46 S68	◆Add special additive formulations of metal surface stickiness excellent lubrication machine can effectively prevent the jumping phenomenon of the working platform, the working machine operating smoothly, improve the quality of processed products.
Air compressor Oil	P22 P32 P46 P68	◆For screw compressors, vane compressors, centrifugal compressors. All ISO viscosity grades are equipped with excellent oxidation properties, wear protection, rust and corrosion resistance, fast water separation and foam control.
Super Compressor Oil	SP68 SP100 SP150	◆Suggest used in high-pressure reciprocating air compressor. It's are effective as "once-through" lubrication of reciprocating air compressor cylinders as well as crankcases and some types of rotary compressors.
Cutting Oil	Oily Cutting Oil Soluble Cutting	◆According to different metals and different processing methods, the use of cutting fluids with different

	Oil Synthetic Oil	performances can provide long-lasting cutting tools and product finishes. Careful selection must be used. It also concerns issues such as water quality and use environment in various countries.
Heat-transfer Oil	HT22 HT32 HT46	◆The good thermal conductivity oil, recommended for use in liquid phase heat transfer systems.
Metal Rust Preventive Oil	M-RS M-RP M-RL	◆Low viscosity, according to the anti-rust cycle, product use method (immersion, painting, spraying) and other processes, the whole series of this product does not contain antimony, the safety is improved, the thin oil film is not easy to peel off, and the formed oil film is not easy to peel off.
Plunger Oil	B-200	◆Plunger lubricants can be used in small to large machines to minimize wear on the plunger head, extending its service life and reducing downtime for replacement. They also help provide a seal around the tip to prevent molten metal from leaking through the tip.
Premium quench oil Fast quenching oil Speed quenching oil Bright-Fast quenching oil	Q18 Q22 Q32	◆ The heating parts are placed in the cooling medium, excellent hot oil oxidation, high flash point, short film breaking time, quick cooling speed, low volatility, high temperature products can be quickly cooled, and the workpiece surface can be bright.
Industrial extreme pressure Gear Oil	G-EP68 G-EP100 G-EP150	◆Suitable for lubrication of all industrial machinery, such as helical gears, helical gears and worm gears, and require this high viscosity oil. ◆According to customers need to adjust the extreme pressure (EP) rating of the lubricant, divided into light load, medium and heavy load.
Diesel Industry Machinery Oil	CD/CF/CG/CH-4 /CI-4/CJ-4/CK-4	◆Widely used in various engineering machinery four-stroke diesel engine, turbocharger and the mechanical supercharger and diesel engines.

 Packing: 18/20L pail, 200/205L drum (can be customized package base on market demand)



OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –Circulation Oil R

OIL KNIGHT- Circulating oil can withstand all kinds of industrial cycle oil system harsh load, reduce the wear of parts to extend the life of parts.

- Steam Turbine: R32 and R46 are widely used in the circulation of the oil system direct steam turbine, R68 widely used in the cycle to the oil system of the tooth-type steam turbine, R90 is widely used in the cycle of the oil system to the ship Tooth knot turbine.
- Air Compressor: R32 and R46 widely used in cylinder and piston design more sophisticated air compressor, R68 widely used in single-cylinder vertical or horizontal air compressor. R90 is widely used for high temperatures.
- This type of oil is also widely used in other high-speed cycle to the oil bearings, gears, hydraulic systems, motors, generators, hydroelectric turbine and so on.

Features/Superiority

- Tough oil film, film resistance characteristics, load operation, can provide good protection.
- With excellent filterability, metal compatibility, heat resistance and anti-wear ability.
- Use the lubricating system oil in the fixed flow cycle, as the lubricating oil for the rotating machinery.

Product Properties

Designation		Method	R32	R46	R68	R90
ISO Viscosity Grade		-	32	46	68	90
Color		-	Yellow	Yellow	Yellow	Yellow
Specific Gravity @15/4 °C		ASTM D4052	0.860	0.864	0.868	0.874
Kinematic viscosity, cSt	40°C	ASTM D445	32.8	46.2	67.5	88.7
	100°C	ASTM D445	5.7	7.2	9.3	11
Viscosity Index		ASTM D2270	115	112	112	110
Flash Point °C		ASTM D92	244	240	236	230
Pour Point °C		ASTM D97	-15	-18	-18	-10
TAN, mg KOH/g		ASTM D974	0.2	0.2	0.2	0.2
Package		-	20L/200L	20L/200L	20L/200L	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –Super Circulation Oil SR

OIL KNIGHT- Circulating oil can withstand all kinds of industrial cycle oil system harsh load, reduce the wear of parts to extend the life of parts.

- This type of oil is widely used in the oil ring to the oil turbine, giant high-pressure air compressor, giant low-speed diesel engine, a variety of closed gears, load larger or higher temperature bearings and hydraulic systems lubrication.
- This series of super-circulating oil for high-load circulation system used by the lubricating oil, if the general use of light load and general industrial machinery recycling system, the choice of circulating oil low viscosity (S32 / S46 / S68/ S90).

Features/Superiority

- Providing a high degree of chemical and thermal stability, fast and complete water separation, and high resistance to emulsification.
- Provide outstanding rust, corrosion resistance, anti-seawater and anti-wear function.
- It's have a high viscosity index that ensures that the film thickness varies only at very different temperatures, and that the kinetic energy has only a minimum loss at start-up.
- Use the lubricating system oil in the fixed flow cycle, as the lubricating oil for the rotating machinery.

Product Properties

Designation		Method	SR100	SR150	SR220
ISO Viscosity Grade		-	100	150	220
Color		-	Amber	Amber	Amber
Specific Gravity @15/4 °C		ASTM D4052	0.890	0.896	0.898
Kinematic viscosity, cSt	40°C	ASTM D445	95.1	146	200
	100°C	ASTM D445	11.5	15.8	18.7
Viscosity Index		ASTM D2270	110	115	105
Flash Point °C		ASTM D92	228	230	224
Pour Point °C		ASTM D97	-10	-12	-12
TAN, mg KOH/g		ASTM D974	0.2	0.2	0.2
Package		-	20L/200L	20L/200L	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –Hydraulic Oil AW

OIL KNIGHT-Hydraulic oil is design for the number of factory equipment and mobile equipment operation, providing effective protection and significant performance, in high temperature operating environment, maintains good lubrication and performance even under high temperature and high-pressure operation, oil film is tough, provides good de-foaming and water separation characteristics.

Features/Superiority

- It can prevent equipment damage at high temperature, helps extend oil change intervals.
- Outstanding anti-wear and corrosion protection are designed to enhance equipment life.
- The oil can help reduce the impact of pollutants on the filter blockage, thereby extending the life of the filter and more sophisticated use of filters to enhance the protection of equipment.

Specification

- DIN 51524-Part 2-HLP
- ISO 6743/4 HM
- Denison HF-0, HF-1, HF-2
- US Steel 126, 136, 127
- SEB 181 222
- ASTM D 6158 HM

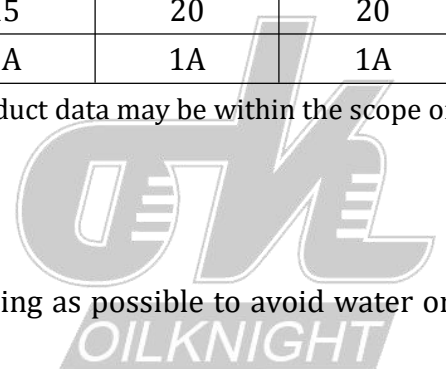
Product Properties

Designation		Method	AW32	AW46	AW68
Color		-	Yellow	Yellow	Yellow
Specific Gravity @15/4 °C		ASTM D1298	0.868	0.874	0.878
Kinematic viscosity , cSt	40°C	ASTM D445	32.8	46.2	67.5
	100°C	ASTM D445	5.6	7.1	9
Viscosity Index		ASTM D2270	112	110	108
Flash Point °C		ASTM D92	228	230	224
Acid Number, mg KOH/g		ASTM D974	0.8	0.8	0.8
Pour Point °C		ASTM D97	-20	-18	-21
Water Separability@54°C,40-37-3		ASTM D1401	15	20	20
Copper corrosion(@100°C,3hr)		ASTM D130	1A	1A	1A

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Storage

All packages should be stored under covered, used up oil after opening as possible to avoid water or impurities damaged product from affecting product quality.





OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –Slide Way Oil S

OIL KNIGHT-Slide way oil is design for be lubricated in the machine tool slide, workstations and parts, etc. Enhanced adhesion and anti-crawling performance, providing excellent frictional performance, carefully selected additives, ultra-high performance sliding surface oil for a variety of machine.

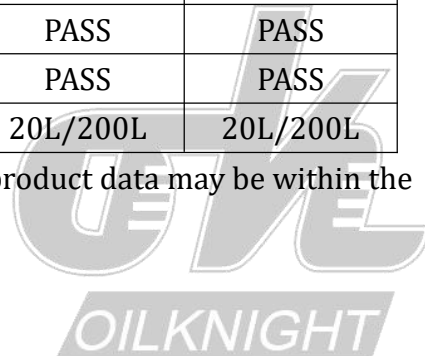
Features/Superiority

- It the low effective friction sliding surface of the lubrication, due to the effective preparation and lowering agent, can expect high engineering accuracy.
- Due to the strong adhesion of high speed, even in the load caused by the floating phenomenon, excellent power, in the sliding surface by the vertical bonding strength and oil film retention while maintaining a sufficient oil film to maintain stability.
- It has excellent anti-wear properties for slippery road, gear, bearing and hydraulic system to provide internal parts protect from wear.

Product Properties

		Method	S32	S46	S68
ISO Viscosity Grade			32	46	68
Color			Yellow	Yellow	Yellow
Specific Gravity @15/4 °C		ASTM D4052	0.860	0.864	0.880
Kinematic viscosity , cSt	40°C	ASTM D445	32	45.5	67.5
	100°C	ASTM D445	5.7	7.2	9.5
Viscosity Index		ASTM D2270	118	123	120
Flash Point °C		ASTM D92	238	236	240
Pour Point °C		ASTM D97	-20	-22	-20
Acid Number, mg KOH/g		ASTM D974	1.4	1.4	1.4
Copper corrosion(@100°C,3hr)		ASTM D130	1B	1B	1B
Rust test (distilled water@24hr)		ASTM D665A	PASS	PASS	PASS
Rust test (seawater@24hr)		ASTM D665B	PASS	PASS	PASS
Package			20L/200L	20L/200L	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil – Air compressor Oil P

OIL KNIGHT – Air compressor Oil has been formulated from highly refined paraffinic base oils and high performance additives to provide outstanding lubrication in a variety of rotary and screw-type air compressors. All ISO viscosity grades are formulated with outstanding oxidation performance, wear protection, resistance to rust and corrosion, rapid water separation and foam control.

According to the general compressor working cycle of 2000 hours as the standard,

Suitable for compression temperatures up to 220 ° C (inclusive) and pressures up to 20 (inclusive) bar.

Application

Recommended for screw air compressors: P46

▲ If the ambient temperature is < 5 °C: P32

▲ If the ambient temperature > 25°C: P68

Specifications: ISO 6743, DIN 51506-VDL certifications for rotary air compressors

Features/Superiority

- The thermal stability and oxidation resistance of these fluids can help to maintain cleaner.
- It's has outstanding anti-wear and corrosion protection are designed to enhance equipment life.
- Reduced sludge formation in crankcases, discharge lines, coalescers and coolers
- Meets the L-DAG light load and L-DAH medium load grade specifications of rotary compressor.

Product Properties

		Method	P22	P32	P46	P68
ISO Viscosity Grade		-	22	32	46	68
Specific Gravity @15/4 °C		ASTM D4052	0.842	0.850	0.860	0.868
Kinematic viscosity, cSt	40°C	ASTM D445	22	32.1	45.8	68.8
	100°C	ASTM D445	4.3	5.6	7.5	9.8
Viscosity Index		ASTM D2270	110	115	125	125
Flash Point °C		ASTM D92	200	222	228	236
Pour Point °C		ASTM D97	-25	-21	-22	-23
Foaming Sequences I		ASTM D892	< 30/0	< 30/0	< 30/0	< 30/0
Water Separability@54°C		ASTM D1401	15	15	15	20
Package		-	20L/200L	20L/200L	20L/200L	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil – Super Compressor Oil SP

OIL KNIGHT - Compressor Oil has been formulated from highly refined paraffinic base oils and high performance additives to provide outstanding lubrication in a variety of rotary and reciprocating air compressors. All ISO viscosity grades are formulated with outstanding oxidation performance, wear protection, resistance to rust and corrosion, rapid water separation and foam control.

According to the requirements of mechanical use, choose the number: SP68, SP100, SP150

Application

- This series is effective as a "one pass" lubrication for reciprocating compressor cylinders and certain types of rotary compressors.
- Specifications: ISO 6743, DIN 51506-VDL certifications for reciprocating air compressors.
- If the air-cooled piston output power is <20KW, it is recommended to use air compressor oil P32, P46 or special air compressor oil SP100.
- For water-cooled pistons, SP68 or SP100 is recommended.

Features/Superiority

- Excellent anti-wear and anti-corrosion protection designed to increase equipment life.
- Excellent ashless additives reduce deposits, and mechanical damage to the exhaust system.
- Reciprocating compressor oil that meets the L-DAA light duty and L-DAB medium duty rating.

Product Properties

		Method	SP68	SP100	SP150
ISO Viscosity Grade		-	68	100	150
Color		-	Yellow	Yellow	Yellow
Specific Gravity @15/4 °C		ASTM D4052	0.864	0.870	0.89
Kinematic viscosity, cSt	40°C	ASTM D445	68	100.8	147
	100°C	ASTM D445	9.5	12.8	17
Viscosity Index		ASTM D2270	120	122	125
Flash Point °C		ASTM D92	220	222	236
Pour Point °C		ASTM D97	-20	-21	-20
Copper Corrosion		ASTM D130	1B	1B	1B
Water Separability		ASTM D1401	PASS	PASS	PASS
Package		-	20L/200L	20L/200L	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil- Oily-EP/Soluble/Synthetic Cutting Oil

OIL KNIGHT Cutting oil- it divided into oily (active/inactive EP), Soluble, synthetic cutting fluid.

Oily cutting oil is mainly used for metal cutting, the product is chlorine-free and can avoid harmful by-products in the cutting process, additive contains non-active/active sulfur elements, providing excellent compression and wear resistance to prevent friction with the processing product.

Application

- Cutting, drilling, threading, reaming and other processing techniques, suitable for a variety of materials: alloy steel, stainless steel, non-ferrous metals, gears...etc.
- According to the processing material (non-ferrous metal) or metal hardness, the corresponding active or inactive oil extreme pressure cutting oil should be selected.

Features/Advantages

- Excellent cutting performance providing continuous high quality finish and accuracy.
- Long oil service life due to its stable highly refined base and addition of oxidation inhibitors.
- Low oil mist Helps to improve working Environment.
- Excellent rust prevention and EP ability: Effectively prevent rusting of parts and parts, prolong the service life of the machine.
- High lubricity: Provides accurate lubrication and is not easy to volatilize during high speed.

Product Properties

Type	Method	Active EP	Inactive EP	Soluble	Synthetic
Color	-	Amber	Amber	Amber	Amber
Specific Gravity @15/4°C	ASTM D4052	0.86	0.86	0.9	0.95
Kinematic viscosity, cSt@40°C	ASTM D445	VG 10/20/30		-	-
Flash Point °C	ASTM D92	200	208	-	-
Acid Number, mg KOH/g	ASTM D974	0.75	0.45	-	>20
PH value(5%@24hr)	DIN51369	-	-	9.0±0.5	9.0±0.5
Pour Point°C	ASTM D97	-12	-15	-	-
Copper Corrosion@100°C,1hrs	ASTM D130	1B	1B	-	-
Rust Test	ASTM D665A	PASS	PASS	PASS	PASS
Chlorine	ASTM D6443	No	No	No	No
Package	-	20L/200L	20L/200L	20L/200L	20L/200L



OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –Heat Transfer Oil HT

OIL KNIGHT-Heat Transfer Oil can be used in liquid heating systems, with hydraulic or oil-free working environment, suitable for forced closed loop systems with heat transfer mainstream temperature not exceeding 320 °C, with high quality paraffin-based hydrogenated base oil configuration High temperature antioxidants that quickly remove heat and transfer heat.

Application

- HT22 is recommended for application in closed circulation systems with temperatures up to 287° C, particularly applicable where high transfer rates or good flow rates at fairly low temperature are desired.
- HT32 and HT 46 is for application in closed circulation systems with temperatures up to 315°C.

Features/Superiority

- Systems that rely on convective heat transfer media circulation systems do not provide sufficient flow rates to prevent local overheating and rapid oil degradation.
- The low-carbon residue of the scorch retarder is not easy to produce deposits, prolongs the service life and has a long shelf life.
- Good anti-foaming and anti-emulsification properties, reducing the oil quality change between air entering the oil film.
- The high viscosity index combined with the low pour point provides excellent cycling and cold environments and prevents hot spots.

Product Properties

		Method	HT22	HT32	HT46
ISO VG		-	22	32	46
Color		-	Amber	Amber	Amber
Specific Gravity @15/4 °C		ASTM D4052	0.848	0.850	0.858
Kinematic viscosity, cSt	40°C	ASTM D445	22	30	45
	100°C	ASTM D445	4.5	5.5	7.2
Viscosity Index		ASTM D2270	120	125	120
Flash Point °C		ASTM D92	210	222	228
Pour Point °C		ASTM D97	-20	-18	-23
Package		-	20L/200L	20L/200L	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil-Metal Rust Preventive Oil-M-RS,M-RP,M-RL

OIL KNIGHT-Metal anti-rust oil has low viscosity, solvent-based soft film anti-rust oil, anti-rust treatment for finished products such as bolts, nuts or steel plates, can be used for sealing or bulk packaging, in addition to anti-rust function, contains special compounds, for moisture, it has fast separation and is suitable for metal parts after cutting, grinding or stamping, period-term rust prevention and outdoor limited storage, easy to use, there are pass wet room test and salt water test. Corresponding products are provided during the anti-rust period and anti-rust treatment methods.

Features/Superiority

- This product does not contain the metal components of "BA" and is not harmful to the environment and the health of the operators.
- Protect machinery, parts, tools, equipment from moisture in the air, and resist corrosive.
- The oil is well preserved, not easy to deteriorate, and the rust resistance is particularly good.
- Thin protective film, which makes the product appearance brighter, and not easy to peel off.
- It can be applied by spraying, hand coating or dip method, and is suitable for use in many types of metal processing products.
- It has good drainage and can replace the moisture or residual water vapor on the metal surface to produce protective film for iron or non-ferrous metals.

Product Properties

Type		Method	M-RS	M-RP	M-RL
Color		-	Amber	Amber	Amber
Specific Gravity @15/4 °C		ASTM D4052	0.8	0.81	0.820
Kinematic viscosity , cSt	40°C	ASTM D445	3.5	3.8	4.5
	100°C	ASTM D445	-	-	-
Flash Point °C		ASTM D92	92	96	100
Acid Number, mg KOH/g		ASTM D974	3.5	1.3	0.85
Salt Spray Test, 24hrs		-	PASS	PASS	PASS
Humidity Cabinet Test, hrs		-	-	240	480
Indoor Exposure Test, days		-	-	30+	30+
Rust prevention period		-	Short-Mid	Medium	Medium-Long
Barium		-	No	No	No
Package		-	20L/200L	20L/200L	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –Oily Non-Graphite Plunger Oil B-200

OIL KNIGHT-oil plunger oil is an oil-base plunger lubricant for die casting machines, it has excellent lubrication properties, excellent adhesion strength and stable plunger dispersion to prevent tip friction and wear, B-200 is low-viscosity grade that not suitable for large die casting machine.

- **Use fluid directly without dilution and please select according to mechanical requirements.**
- Principle: In high pressure die casting, molten metal is injected into the cavity through a cylindrical sleeve through a piston (or plunger) that forces the molten metal through a narrow hole at high speed and pressure. Proper lubrication of the plunger is essential to provide a smooth filling of the cavity, reducing energy consumption during firing and extending the life of the plunger head and sleeve.

Features/Superiority

- Excellent lubricating ability and tip wetting properties - prevent the wear and seize up for the plunger tip.
- Non-graphite type lubricant promotes a cleaner and safer working environment, contributing to reduced maintenance frequency.
- Does not contain any toxic substances.
- Improve metal castability and injection and limit the porosity of cast parts.

Product Properties

Designation		Method	B-200
ISO Viscosity Grade		-	200
Color		-	Amber
Specific Gravity @15/4 °C		ASTM D4052	0.9
Kinematic viscosity, cSt	40°C	ASTM D445	198.63
	100°C	ASTM D445	19
Viscosity Index		ASTM D2270	109
Flash Point °C		ASTM D92	226
Pour Point °C		ASTM D97	-20
Package		-	20L/200L

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OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil - Quenching Oil Q

OIL KNIGHT-Quenching oil is divided into premium quenching oil, fast quenching oil, speed quenching oil and fast bright quenching oil.

According to the cooling speed and the bright surface of the metal surface, this product is added with high-efficiency antioxidant, cool, brightener, anti-rust additives, provide multiple composite functions of metal processing products, short film breaking, this products are low temperature quenching oil.

Application

- Hardening of medium carbon steel, low alloy steel and low element steel.
- Hardening of all type screw nuts after carburizing.
- Suitable for lot of quenching crucible, open quenching oil bath and after salt bathing procedures.
- Applicable oil temperature: 20~80°C, oil bath temperature above 80°C is not applicable.
- Temperature of use under controlled atmosphere (inert gas): 50~100 °C

Features/Superiority

- The carbon deposit is small, and bright performance is outstanding, and the cooling effect is fast.
- Quenching oil continuously runs under long-term high temperature under severe conditions. It requires oil to have good anti-oxidation, anti-thermal decomposition and anti-aging properties.
- Using hydrogenated paraffin base oil to reduce the components of accelerated oil oxidation.
- No contain gums and bitumen, easy to remove protective film for work and equipment.

Product Properties

Designation	Method	Premium	Fast	Speed	Bright-Fast
ISO Viscosity Grade	-	VG 18/22/32			
Color	-	Amber	Amber	Amber	Amber
Specific Gravity @15/4 °C	ASTM D4052	0.852	0.854	0.854	0.854
Kinemetic viscosity , cSt@40°C	ASTM D445	16~20	16~20	16~20	16~20
Flash Point °C	ASTM D92	>180			
TAN mg KOH/g	ASTM 974	>2	>2	>2	>2
Insoluble- n-pentane, wt%	ASTM D893A	>0.3	>0.3	>0.3	>0.3
Oil Temperature, °C	JIS K2242	80			
Characteristic Temperature, °C	-	>520	>600	>585	>600
Cooling Time, Sec	-	<5	<4	<6	<4.5
Package	-	20L/200L	20L/200L	20L/200L	20L/200L



OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –EP Gear oil G

OIL KNIGHT-Gear oil is designed for heavy duty industrial gears designed for high quality extreme pressure lubricants, with high load carrying, ability and anti-friction performance, for the gear to bring more excellent performance.

Application

- It provides good gear performance for most types of gears and is also suitable for mechanical hydraulic gearboxes, turbo clutches and hydraulics.
- Specification: U.S. Steel-224, AGMA9005-EP2, DIN51517-Part III

Features/Superiority

- It can prevent the work cycle due to high fever and chemical reactions lead to failure, withstand high heat load, to avoid the formation of sludge, even when the overall temperature rise, can also extend the service life of lubricants.
- Has excellent corrosion resistance, can effectively prevent the steel and bronze surface wear, even if the presence of water and solid contaminants can also effectively protect gears.
- Excellent water separation, you can easily from the lubrication system to discharge excess water, and extend the life of the gear and ensure effective lubrication of the contact area.

Product Properties

		Method	EP-G68	EP-G100	EP-G150
ISO Viscosity Grade		-	68	100	150
Color		-	Amber	Amber	Amber
Specific Gravity @15/4 °C		ASTM D4052	0.884	0.874	0.886
Kinematic viscosity, cSt	40°C	ASTM D445	67.8	125.9	150
	100°C	ASTM D445	9.1	15.3	16.7
Viscosity Index		ASTM D2270	110	125	120
Flash Point °C		ASTM D92	240	230	225
Pour Point °C		ASTM D97	-22	-18	-16
Copper Corrosion@100°C,3hrs		ASTM D130	1B	1B	1B
Package		-	20L/200L	20L/200L	20L/200L

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OILKNIGHT



OILKNIGHT INDUSTRIAL OIL TECHNICAL DATA SHEET

Industrial Oil –Industrial diesel Engine Oil

OIL KNIGHT- Diesel engine Oil provide triple protection under temperature and pressure full range of engines: anti-wear, anti-corrosion, anti-carbon deposition.

Whether high or extreme loads in the piston or the industrial machine, it can provide strong protection, effective control and elimination of harmful carbon deposits in the engine and particulates, provides excellent soot and viscosity control.

Application

- Can be applied to the lubrication function of fixed diesel engines, such as: diesel generator
- Turbocharger or general-intake diesel engine, truck, locomotive, such as: strange hand, excavator, Bobcat special lubricant
- If the required viscosity of the engine oil is in accordance with this product specification, it is also applicable to gearboxes, torque converters, and hydraulic systems.

Features/Superiority

- Clean dispersion additive system to prevent oil viscosity becomes larger, to provide improved engine cleanliness and protection against piston and various parts of the protection.
- Containing anti-wear additives, even in harsh operating environment, but also to provide a strong metal and metal protective film.

Product Properties

		Method	10W	SAE 40	15W-40	20W-50
Specification		-	CF, CG, CD, CF, CH-4, CI-4, CJ-4, CK-4			
Specific Gravity @15/4 °C		ASTM D4052	0.86	0.87	0.874	0.880
Kinematic viscosity, cSt	40°C	ASTM D445	34	130	115	150
	100°C	ASTM D445	6	14.5	15	15.8
Viscosity Index		ASTM D2270	125	111	135	125
Flash Point °C		ASTM D92	220	230	238	230
Pour Point °C		ASTM D97	-24	-18	-32	-30
Acid Number mg KOH/g		ASTM D974	2.5	3	3	3
Total Base NO. mg KOH/g		ASTM D2896	10	11	11	11
Compression test		-	PASS	PASS	PASS	PASS
Package		-	20L/200L	20L/200L	20L/200L	20L/200L