



Kixx Lubricants

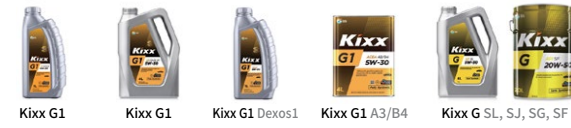
Optimized for Your Machinery

INDUSTRIAL OIL

Passenger Car - Premium



Passenger Car



Commercial Vehicle



Motorcycle



Transmission/Axle



Specialties



Hydraulic Fluid



Industrial Oil



Grease



Marine



Product Tree



Kixx: The Most Trusted Lubricant Brand

Since 2005, Kixx has been delivering excellence in lubricants by staying at the forefront of automotive innovation. We provide 180 products to suit all needs, which are classified according to their usage such as automobiles, industrial equipment, vessels and special purposes. Kixx is recognized for its superior products made with premium base oils manufactured at industry-leading refinery facilities in Korea.

Kixx's lubricant products and its proprietary Triple Double Technology are trusted by global consumers and partners in over 63 countries. With sky high aspirations, Kixx will strive to strengthen both its automotive and industrial lubricants to meet global market demands, and continue to work towards becoming the most reliable lubricant brand across the globe.

From 2017 to 2022, Kixx was recognized as **Leading Lubricant at the Korea First Brand Awards**, ranking as the most satisfactory brand in the lubricant category for six



years running. Hosted annually by the Customers Council, the Korea First Brand Awards spotlights the top brands selected directly by consumers. Recognized as Korea's No. 1 Lubricant brand at one of the biggest brand award ceremonies, Kixx continues to solidify its position as the top lubricant in the minds of consumers.

About GS Caltex

GS Caltex, parent company of Kixx, was founded in 1967 as Korea's first private oil refiner. Since then, GS Caltex has set a new standard of excellence in the Korean petroleum industry and played a critical role in driving the export of oil and petroleum products.

Having led the nation's energy industry through constant innovation and creative initiatives, GS Caltex will continue to do its utmost to become "Value No.1 Energy & Chemical Partner."



GS Tower, 508, Nonhyeon-ro, Gangnam-gu, Seoul 135-985, Korea
Tel: +82-2-2005-6813 | Email: shmoon14@gscaltex.com

www.KixxOil.com





Kixx RD BIO 46

Fully Synthetic, Biodegradable Hydraulic Fluid
ISO VG 46



DESCRIPTION

Kixx RD BIO is an advanced biodegradable hydraulic fluid which shows high performance above ISO 15380 HEES specification. It is readily biodegradable with a low level of ecotoxicity and bioaccumulation, so that the use for hydraulic devices operated in environmentally sensitive area is particularly suited. Fully synthetic esters, blended with state-of-the-art ashless additives, provide KIXX RD BIO with outstanding lubrication performance and environmental acceptability.

APPLICATIONS

- Industrial hydraulic devices operated in environmentally sensitive area
- Industrial hydraulic devices subject to wide variation in operating temperature
- Hydraulic systems in construction, mobile and agricultural equipments
- General industrial circulating and hydraulic systems in various stationary devices

PERFORMANCE STANDARDS

Kixx RD BIO meets performance standards as below.

- EU Ecolabel for biodegradable hydraulic fluid
- ISO 15380 HEES
- US EPA (Environmental Protection Agency) 2013 VGP (Vessel General Permit)



Kixx Hydro XZ

Premium Performance Wide Temperature Range Antiwear Hydraulic Fluid
APPROVAL: EATON E-FDGN-TB002
ISO VG 32, 46, 68

DESCRIPTION

Kixx Hydro XZ is a premium quality, shear stable, multi-viscosity, anti-wear hydraulic fluid, designed for use in hydraulic systems subjected to wide variations in ambient and operating temperatures and severe load for very high discharge pressure.

APPLICATIONS

- Industrial hydraulic equipment subject to wide variation in temperatures
- Hydraulics of mobile, construction and agricultural equipment
- Industrial hydraulic systems with vane, gear or piston pumps
- Fork-lift trucks
- Plastic injection molding machines
- Marine deck equipment, steering gears, bow thrusters and automatic controls
- Enclosed gears operating under moderate load conditions
- Enclosed gear systems
- Industrial circulating systems where a rust and oxidation inhibitor or antiwear oil is required

PERFORMANCE STANDARDS

Kixx Hydro XZ has the following approvals.

- Eaton E-FDGN-TB002-E (ISO 32, 46, 68)

Kixx Hydro XZ meets performance standards as below.

- Bosch Rexroth RDE 90235 (ISO 32, 46, 68)
- Parker Denison TP30560 HF-0, HF-1, HF-2 (ISO 32, 46, 68)
- Fives Cincinnati Machine P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)
- GM Hydraulic Anti-Wear LH-04
- JCMAS P041 HK Low Temperature Use (ISO 32, 46)
- ISO 11158 HV
- DIN 51524 Part 3 HVLP
- GB 11118.1-2011, L-HV
- SAE MS 1004 HM
- AIST 126, 127
- David Brown Industrial Gears 0A, 1A, 2A, 3A, 4A, 5A



Kixx Hydro HVL

Premium Long-life Antiwear Hydraulic Fluid for Excavator
ISO VG 46

DESCRIPTION

Kixx Hydro HVL is a premium quality, shear stable, multi-viscosity, anti-wear hydraulic fluid, designed for use in hydraulic systems subjected to wide variations in ambient and operating temperatures. It is specifically designed to meet the long-life hydraulic oil requirement of construction equipment. (Excavator : 5000 hrs)

APPLICATIONS

- Industrial hydraulic equipment subject to wide variation in temperatures
- Hydraulic Systems in mobile, construction and agricultural equipment
- Industrial Hydraulic systems with vane, gear or piston pumps
- Enclosed gears operating under moderate load conditions
- Industrial circulating systems where a rust and oxidation inhibitor or antiwear oil is required

PERFORMANCE STANDARDS

Kixx Hydro HVL meets performance standards as below.

- Denison Hydraulics HF-0
- Vickers I-286-S [industrial applications], M-2950-S [mobile applications]
- Bosch Rexroth RE 90 220
- ISO Standard 6743 Part 4, Type HV
- GB 11118.1-2011, L-HV
- DIN 51524 Part 3, HVLP



Kixx Compressor P

High Performance Reciprocating Compressor Oil
ISO VG 32, 46, 68, 100, 150

DESCRIPTION

Range of mineral compressor lubricants, meeting DIN 51 506 class VDL specifications and exhibiting high load carrying capacity. Kixx Compressor P are blended from selected high quality paraffinic base oils. A well balanced additive package provides excellent oxidation resistance, corrosion protection, and outstanding EP characteristics. It provides a smooth, economical compressor operation especially under severe conditions.

APPLICATIONS

Kixx Compressor P are recommended for stationary and portable compressors, operating at compression temperatures up to 220°C including compressors with oil lubricated pressure space, e.g. single and multistage reciprocating compressors or single or multistage centrifugal compressors.

The 46 grade is primarily recommended for use in oil-flooded screw compressors as well as centrifugal compressors. At high compression pressures, such as in multistage reciprocating compressors, the higher viscosity grade may be used. Kixx Compressor P has been tested and approved by "Rheinische-Westfälischer Überwachungsverein e.V." in Germany and it meets DIN 51 506 VDL.



Kixx Compressor S

High Performance Rotary Screw Compressor Oil
ISO VG 32, 46, DIN 51506 VDL

DESCRIPTION

Kixx Compressor S is a premium performance, hydrocracked mineral based compressor oil containing a special oxidation inhibitor and a rust inhibitor. It is designed specifically for use in oil flood lubricated positive displacement rotary compressor.

APPLICATIONS

- Oil flood lubricated rotary screw air compressors.
- Oil flood lubricated sliding vane air compressors. (Not recommended for use in breathing air compressors.)

PERFORMANCE STANDARDS

- DIN 51506 VDL
- ISO 6521
- ISO L DAA/DAB/DAH/DAG



Kixx Trans I

Inhibited Transformer Oil
IEC 60296:2012

DESCRIPTION

Kixx Trans I is a highly refined, inhibited transformer oil for use in severe conditions, such as high ambient temperatures. It should also be used where oxidation resistance and thermally stable insulating oils are needed. It meets the IEC 60296:2012 transformer oil specifications.

APPLICATIONS

- Transformers
- Oil-immersed switchgear
- Circuit breakers
- Oil-filled capacitors
- Tap changers
- Electrical reclosures
- Fuses

PERFORMANCE STANDARDS

- IEC 60296:2012 Inhibited



Kixx Turbine EP

Turbine Oil with Gear Cases, Bearings
ISO VG 32, 46

DESCRIPTION

Kixx Turbine EP is high-quality rust and oxidation oil with extreme pressure characteristics. It is formulated from premium quality, chemically stable, high VI base stocks, which are further enhanced by the addition of oxidation inhibitors. It is designed primarily for use in industrial gas and steam turbines including those with reduction gear sets.

APPLICATIONS

- Stationary industrial gas and steam turbines
- Stationary industrial gas turbines with reduction gear sets
- Industrial gas turbines in severe service
- Hydraulic turbines
- Rotating machinery in gas and steam combined-cycle cogeneration units
- Bath and circulating systems supplying moderately loaded gear sets, low pressure hydraulic systems, vacuum pumps, rolling element bearings, machine tools, conveyors and electric motors
- Air compressors, turbo-blowers and centrifugal pumps requiring a rust and oxidation inhibited, antiwear oil
- Do not use in breathing air apparatus or medical equipment.
- Do not use in aviation-derivative gas turbines.

PERFORMANCE STANDARDS

- Alstom HTGD 90117
- ASTM D4304-Type II
- British Standards BS 489
- Cincinnati Machine P-38
- German Standard DIN 51515 Part 1 DIN 51515 Part 2
- General Electric GEK 27070 GEK 28143B GEK 32568F GEK 101941A
- International Standards ISO 8068 AR, B ISO 8068 TGE
- Japanese Industrial Standard JIS K2213 Type 2
- MAN Turbo & Diesel TQL T2
- Siemens TLV 9013 04 for turbosets with and without gearboxes
- TLV 9013 05 for turbosets with and without gearboxes



Kixx Turbine

High Performance Turbine Oil
ISO VG 32, 46, 68, 100, SIEMENS, ALSTOM

DESCRIPTION

Kixx Turbine is a premium quality inhibited turbine oil. It contains highly effective rust, oxidation and foam inhibitors and it is formulated to have good air release properties and good oxidation stability.

APPLICATIONS

- Steam and hydraulic turbines operating under all service conditions
- Centrifugal, rotary and reciprocating compressors, turbo-blowers and centrifugal pumps, requiring a rust and oxidation inhibited oil (not recommended for use in breathing air compressors)
- Hydroelectric turbines
- Other applications where high quality rust and oxidation inhibited oils are required.

PERFORMANCE STANDARDS

- Siemens TLV 9013 04/05 approved
- Alstom HTGD 90117 approved
- Meets the requirements of major turbine builders including GE, Westinghouse, ABB



Kixx Therm

Heat Transfer Fluid
ISO VG 32, 46

DESCRIPTION

Kixx Therm is a highly refined, thermally stable paraffinic petroleum oil formulated for use as a heat transfer fluid in both closed and open heat transfer systems with forced circulation.

APPLICATIONS

- Open systems operating at temperatures up to 200°C.
 - Closed systems (sealed with cold oil or inert gas) operating at bulk oil temperatures up to 320°C.
- For long, trouble-free service in closed systems, the maximum film temperature on the heater surfaces should be limited to 340°C. Systems must have forced circulation of the heat transfer fluid.



Kixx Gear EP S

Extreme Pressure Synthetic Industrial Gear Oil
ISO VG 150, 220, 320

DESCRIPTION

Kixx Gear EP S is PAO based advanced synthetic heavy duty industrial gear oil. It offers outstanding lubrication under severe operating conditions, help reducing friction and provides longer service life. High resistance to micro-pitting for optimal gear protection.

APPLICATIONS

- Recommended for many types of enclosed gearboxes especially those running continuously at temperatures up to 120°C or exposed to very low temperatures.
- Suitable for severe service conditions such as heavy loads and low speeds.
- Particularly recommended for certain systems where extra long oil life is required such as wind turbines or systems which are inaccessible or require infrequent lubrication.

PERFORMANCE STANDARDS

- Flender Industrial Gear Revision 9 2005
- AGMA 9005-E02 [EP]
- U.S. Steel 224
- David Brown Table E S153.101
- DIN 51517 Part 3
- Cincinnati Machine P-74



Kixx Gear EP

Extreme Pressure Industrial Gear Oil
ISO VG 68, 100, 150, 220, 320, 460, 680

DESCRIPTION

Kixx Gear EP is an EP industrial gear lubricant based on a sulfurphosphorus additive system.

APPLICATIONS

- Recommended for all types of industrial and mobile equipment requiring mild EP gear lubricants. Particularly recommended for enclosed gear drives and speed reducers, ranging from small gearboxes to large, high-power units such as metal rolling mills, cement mills, sugar mills and mine hoists.
- Also suitable for chain cases, sprockets, slide guides, flexible couplings, and plain and rolling element bearings.

PERFORMANCE STANDARDS

- ANSI/AGMA 9005-E02[EP]
- U.S. Steel 224
- AGMA 250.04[EP]
- AGMA 251.02[EP]
- David Brown Table E approved



Kixx Therm AB 20

Linear Alkyl Benzene Synthetic Heat Transfer Fluid

DESCRIPTION

Kixx Therm AB 20 is a synthetic heat transfer fluid suitable for use in a wide range of industry processes. Kixx Therm AB 20 is produced from Linear Alkyl Benzene and high quality base oil produced by GS Caltex and shows superior thermal and oxidation stability at high temperature.

APPLICATIONS

Kixx Therm AB 20 is recommended for usage at temperature range -10~+300°C and can be used in dyeing plants, heating system in chemical plants, injection molding system, pulp and paper industry and other wide range of heating systems.

PERFORMANCE STANDARDS

- KS M 2501
- GB 23971-2009