



TECHNICAL SPECIFICATIONS



EKO GEARLUB Industrial gear oils

DESCRIPTION

EKO GEARLUB series oils is a series of superior quality gear oils, developed for applications in industry where there is a requirement for lubricants with extreme pressure (EP) additives. They are suitable for the lubrication of industrial gearboxes, including worm and hypoid gears, in applications with operating temperatures up to 100°C.

EKO GEARLUB oils are also suitable for the lubrication of bearings and roller bearings, provided that metals are not affected by the extreme pressure (EP) additives.

SPECIFICATIONS

DAVID BROWN S1.53.101 Type EP, FLENDER W-5991-DE, AIST 224, CINCINNATI MILACRON, DIN 51517 part 3 CLP, ISO 12925 type CKD, AGMA 9005-E02 (EP).

APPLICATIONS

EKO GEARLUB series oils are suitable for a wide range of industrial and marine applications, where industrial extreme pressure (EP) gear oils are required.

They are ideal for heavily loaded gear sets, including worm and industrial hypoid units, and for gears subject to shock loading.

BENEFITS

- Excellent heavy and shock load-carrying capability and enhanced gear protection from micropitting, which result in less gear and bearing wear and promote less downtime and reduced maintenance and repair costs.
- Superior resistance to oxidation at high temperatures, which prevents viscosity increase and minimizes deposits, promoting longer oil life and cleaner gear systems.
- Provides very good rust and corrosion protection to iron, copper and bronze alloys, leading to less maintenance and repair/replacement costs.
- Excellent foam and water-separation properties, which provide effective lubrication and trouble-free operation in the presence of water or when conditions help foam formation.

The information provided from this data sheet is accurate as of the date printing. For more information/ clarifications, please contact EKO ABEE Technical Support.

Tel. + 30 210 5509 511, +30 210 7725 418.

For recommendations on safe handling and use of this product, please refer to Safety Data Sheet.



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TYPICAL PROPERTIES

| Properties | Methods | Units | | | | | | | |
|--------------------------|-------------|--------------------|-----------|------------|------------|------------|------------|------------|------------|
| EKO GEARLUB | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 |
| Classification | - | - | 68 | 100 | 150 | 220 | 320 | 460 | 680 |
| Viscosity @40°C | ASTM D 445 | cSt | 68 | 100 | 150 | 220 | 320 | 460 | 680 |
| Viscosity Index (VI) | ASTM D 2270 | - | 98 | 96 | 96 | 95 | 92 | 90 | 85 |
| Density @ 15°C | ASTM D 4052 | g/ml | 0,883 | 0,888 | 0,893 | 0,898 | 0,902 | 0,903 | 0,910 |
| Pour Point | ASTM D 5950 | °C | -21 | -21 | -18 | -18 | -15 | -9 | -9 |
| Flash Point | ASTM D 92 | °C | 225 | 235 | 245 | 255 | 265 | 275 | 275 |
| FZG A/8.3/90, Load Stage | ISO 14635-1 | Failure Load Stage | 12+ | 12+ | 12+ | 12+ | 12+ | 12+ | 12+ |

HYGIENE AND SAFETY

Used lubricants must be collected in an authorized collection area. They must not be mixed with solvents, water, brake fluids and antifreeze. Do not dispose into drains, soil or water.

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