INDUSTRIAL OIL

Industrial Gear EP 220/320/460

Extreme-pressure industrial gearing

ISO VG 220 / 320 / 460 | Extreme-pressure industrial gear oil

PRODUCT DESCRIPTION

Motoforce Industrial Gear EP is an extreme-pressure gear oil for enclosed industrial gearboxes, available in ISO viscosity grades 220, 320 and 460. EP additives are what allow a gear oil to carry shock and sliding loads without the oil film breaking down at the tooth contact. Grade selection follows the gearbox manufacturer's specification. Supplied from 10 to 210 litres.

APPLICATIONS

- Enclosed Industrial Gearboxes
- Worm Drives
- Plant Machinery

SPECIFICATIONS

- ISO VG 220 / 320 / 460
- Extreme-pressure industrial gear oil

PACK SIZES

10L | 20L | 50L | 210L

FEATURES & BENEFITS

- Sulphur-phosphorus EP additives carry shock and sliding loads at the tooth contact.
- Thermal and oxidation stability for long service in enclosed gearboxes.
- Good demulsibility and anti-foam performance.
- Rust and corrosion protection for gears and bearings.

TYPICAL PROPERTIES

Property	Test Method	Unit	Typical Value
ISO Viscosity Grade	ISO 3448	—	**220 / 320 / 460**
Density @ 15 °C	ASTM D4052	g/cm³	**0.895 / 0.900 / 0.905**
Kinematic Viscosity @ 40 °C	ASTM D445	cSt	**220 / 320 / 460**
Kinematic Viscosity @ 100 °C	ASTM D445	cSt	**18.5 / 24.0 / 30.5**
Viscosity Index	ASTM D2270	—	**≥ 95**
Flash Point (COC)	ASTM D92	°C	**240 / 250 / 260**
Pour Point	ASTM D97	°C	**−9 / −9 / −6**
Timken OK Load	ASTM D2782	lb	**≥ 60**

RECOMMENDATIONS

- Select the ISO grade specified by the gearbox manufacturer.
- Worm drives with bronze wheels may need a non-EP or specially approved oil — check the manufacturer's recommendation.
- Drain and flush when changing from a different gear oil type.

HEALTH, SAFETY & STORAGE

Store sealed in a cool, dry, covered place away from sunlight and ignition sources. Avoid prolonged skin contact. Dispose of used product and containers only through an authorised collector — never into drains or soil. See the MSDS for full health and safety information.

The typical values above are obtained under normal production conditions and do not constitute a specification. Minor variations that do not affect product performance are to be expected. Motoforce Lubricants reserves the right to modify products and this information without notice. For the latest version, visit motoforcelub.com or contact us.