



Industrial Gear Oils

Extreme Pressure

DESCRIPTION

Spectra Industrial Gear Oils are a premium quality, extreme pressure oils designed primarily for the lubrication of heavy-duty industrial gear drives. They have a high loading capacity and excellent protection against wear. Further to that, they have a good corrosion and rust protection, good wetting capabilities, quick water, and air release properties.

They are formulated using high viscosity index, solvent refined, base oils and incorporate a special sulphur-phosphorus additive to provide an extreme pressure performance significantly better than that provided by leaded-by-leaded gear oils.

APPLICATIONS

Spectra Industrial Gear Oils are for the lubrication of all industrial gear drives of any type and construction. Typical examples are;

- Steel gear transmissions
- Industrial gear drives where a full EP performance is required
- Bearings
- Circulating and splash lubricated systems

PERFORMANCE FEATURES

- **Excellent load carrying and anti-friction characteristics**
Reduces gear tooth and bearing wear on both steel and bronze components

PERFORMANCE FEATURES CONT'

- **Outstanding oxidation and thermal stability**
Withstands high thermal loading and resists the formation of sludge and other harmful products of oxidation. Extended oil life even with bulk oil temperatures up to 100°C in certain applications
- **Effective corrosion inhibition**
Protects both steel and bronze components, even in the presence of contamination by water and solids
- **Lead-free**
Operator acceptability. Reduced health risk
- **Wide range of viscosities**
Caters for the most varied and arduous industrial applications"
- **Water shedding properties**
Spectra Industrial Gear Oils have excellent water separation properties. Excess water can be drained easily from lubrication systems. (Water can greatly accelerate surface fatigue on gears and bearings as well as promoting ferrous corrosion on internal surfaces. Water contamination should be avoided or removed as quickly as possible after occurrence)

PERFROMANCE BENEFITS

Maintains gear set efficiencies - High thermal stability EP system maintains clean gear and bearing surfaces, minimizing deposits which interfere with effective lubrication. High oxidation stability limits in-service viscosity increases, which lead to energy losses.

Distributed By Spectra Oil Corporation Limited

P.O Box 35402 Lusaka

Plot No. 1691 Lumumba Road

Tel: +260 211 220728

Fax: +260 211 220751

spectra@spectraoil.com

P.O. Box 21086 Kitwe

Plot No. 159 Zomba Road

Tel: +260 212 221612

Fax: +260 212 226394

spectrak@spectraoil.com

*Industrial Gear Oil EP 68,150,220,320,
460,680, 1000*

Revision date: 2nd September, 2021

PERFORMANCE BENEFITS CONT'

Protects metal surfaces - Extremely effective EP system forms a protective film in areas of metal-to-metal contact, minimizing wear rates and maintaining efficient transfer of power. Good water separation and effective rust inhibitors protect surfaces against rust and corrosion. High thermal stability additive system reduces the formation of high temperature compounds which can be corrosive to bearing materials. The effective corrosion inhibitor provides additional protection for metal components.

Effective oxidation stability - Effective oxidation inhibitors and copper passivator minimize oil oxidation, limiting viscosity increase and can extend oil drain intervals.

TYPICAL PHYSICAL PROPERTIES

Spectra Industrial Gear Oils	68	150	220	320	460	680	1000
Grade ID	68	150	220	320	460	680	1000
Kinematic Viscosity							
@ 40oC mm2/s	68	150	220	320	460	680	1000
100oC mm2/s	9.0	15.47	19.5	25.2	31.7	36.5	44.0
(IP 71)							
Viscosity Index	103	102	100	98	96	92	87
(IP 226)							
Density @ 20°C kg/m3	0.876	0.880	0.895	0.898	0.904	0.910	0.924
(IP 365)							
Pour Point oC	-30	-24	-21	-18	-1	-12	-6
(IP 15)							
Flash Point oC	230	240	250	260	250	300	310
(IP 34)							

HEALTH AND SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal.

DISPOSAL CONSIDERATION

Use material for its intended purpose or recycle if possible. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. If material or container cannot be recycled, dispose in accordance with local regulator.

FOR MORE INFORMATION

Advice on application not covered in this leaflet may be obtained from your Spectra Representative. See contact details below.

Distributed By Spectra Oil Corporation Limited

P.O Box 35402 Lusaka

Plot No. 1691 Lumumba Road

Tel: +260 211 220728

Fax: +260 211 220751

spectra@spectraoil.com

P.O. Box 21086 Kitwe

Plot No. 159 Zomba Road

Tel: +260 212 221612

Fax: +260 212 226394

spectrak@spectraoil.com

*Industrial Gear Oil EP 68,150,220,320,
460,680, 1000*

Revision date: 2nd September, 2021