



OPTIMUM
LUBRICANTS LIMITED

ISO 9001:2015 CERTIFIED



PRODUCT DATA SHEET (PDS)

COMET SYNTHETIC INDUSTRIAL GEAR OILS

DESCRIPTION

Comet Synthetic Industrial Gear Oils are used for the lubrication of all types of heavily loaded gearing, like hypoid and worm gears. Comet synthetic industrial gear oils have excellent anti-oxidation, anti-wear, anti-rust and high-pressure properties.

It and has a naturally high viscosity index and allows extended change intervals and therefore reduces the costs of maintenance. Comet synthetic industrial gear oil cannot be mixed with mineral oils. It is advisable to rinse the system prior to changing to Comet Synthetic Gear Oil.

APPLICATIONS

- The lubricants are formulated for the circulatory and bath lubrications of all types of spur, bevel, helical and worm- type industrial gears.
- Lower temperature industrial gears including steel gear transmission.
- Industrial type reduction gear boxes on mining equipment, cement mills, crushers, conveyors, winches, marine equipment, ball and rolling mills.
- Plain and rolling element bearings.
- Enclosed industrial gear drives and open gear drives.

FEATURES & BENEFITS

- Provides excellent wear protection for wide range of gear types.
- Provides excellent load carrying and anti-friction characteristics.
- Formulated in wide range of viscosity to cater for various industrial applications.
- The high thermal stability EP system maintains clean gear and bearing surface.
- The products extends equipment life through the EP system which forms a protective film in areas of metal-to-metal contact.
- Provide excellent performance even in moist atmosphere.

MEETS PERFORMANCE LEVELS

- ANSI/ AGMA 9005-D94
- US Steel 224 ,David Brown S1.53101
- IISO 12925
- CKC/CKD



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PHYSICAL PROPERTIES

ISO Grade			68	100	150	220	320	460	680
Kinematic Viscosity @ 40 °C	ASTM D 445	Cst	68	100	150	220	320	460	680
Kinematic Viscosity @ 100 °C	ASTM D 445	Cst	8.9	11.9	15.6	20.3	26.1	33.2	43.6
Viscosity Index	ASTM D 2270		105	109	107	107	106	106	108
Density @ 15 °C	ASTM D 1298	Kg/l	0.881	0.883	0.887	0.893	0.896	0.899	0.91
Pour point	ASTM D 97	°C	-14	-14	-14	-14	-14	-14	-14
Flash point COC	ASTM D92	°C	225	225	226	232	230	2240	246

HEALTH AND SAFETY

Prolonged and repeated contact with oil may cause skin disorders .In case of skin contact ,wash immediately with soap and water. Do not discharge used oils in to drains or environment. Dispose to authorized used oil collection point.



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