



OPTIMUM
LUBRICANTS LIMITED

ISO 9001:2015 CERTIFIED



PRODUCT DATA SHEET (PDS)

COMET INDUSTRIAL GEAR OIL ISO VG 68,100,150,220,320,460,680

DESCRIPTION

Comet Industrial gear oils are extreme- pressure, premium quality gear oils designed for lubrication of heavy duty industrial gears. The product formulations provide excellent corrosion protection, anti-foam characteristics and oxidation resistance. The products high loading capacity and anti-friction characteristics provide superior performance for industrial application. The ash less sulfur-phosphorus additive provides extreme pressure performance better than traditional gear oils.

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
- Open gear drives
- Enclosed industrial gear drives and open gear drives.

FEATURES & BENEFITS

- Provide excellent wear protection for wide range of gear types
- Provide 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

MEET SPECIFICATIONS

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

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PHYSICAL PROPERTIES

Properties	Test Method	units	Typical Values						
			68	100	150	220	320	460	680
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	8.6	11.23	14.7	18.9	27.28	30.25	39
Viscosity Index	ASTM D 2270		97	97	96	96	96	95	95
Density @ 15 °C	ASTM D 1298	Kg/l	0.865	0.867	0.885	0.896	0.897	0.897	0.899
Pour point	ASTM D 97	°C	-14	-14	-14	-14	-14	-14	-14
Flash point COC	ASTM D92	°C	225	2	226	232	236	242	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 at authorized used oil collection point.