



OPTIMUM
LUBRICANTS LIMITED

ISO 9001:2015 CERTIFIED



PRODUCT DATA SHEET (PDS)

COMET FOOD GRADE INDUSTRIAL GEAR OILS

DESCRIPTION

Comet Food Grade Industrial Gear Oils are formulated with white pharmaceutical grade oils meeting the US FDA21 CFR178.3620 and fortified with FDA approved additives to provide extreme-pressure, provide excellent corrosion protection, anti-foam characteristics and oxidation resistance.

Comet Food Grade Industrial Gear Oil high loading capacity and anti-friction characteristics provide superior performance for industrial application.

APPLICATIONS

- The lubricants are formulated for the circulatory and bath lubrications of all types of spurs, bevel, helical and worm- type industrial gears.
- Lower temperature industrial gears including steel gear transmission.
- Industrial type reduction gear boxes on food industries.
- 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.

MEETS PERFORMANCE LEVELS

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



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PHYSICAL PROPERTIES

Properties	Test Method	units	Typical Values						
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	9.6	13.0	16.9	22.0	28.6	36.6	47.6
Viscosity Index	ASTM D 2270		126	127	121	121	120	120	120
Density @ 15 °C	ASTM D 1298	Kg/l	0.865	0.867	0.885	0.896	0.896	0.897	0.899
Pour point	ASTM D 97	°C	-14	-14	-14	-14	-14	-14	-14
Flash point COC	ASTM D92	°C	236	236	236	236	240	242	246

HEALTH AND SAFETY

Prolonged and repeated contact with oil may cause skin disorders .Incase 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.

NB: always store on temperatures between -5 to 40 °C



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