



OPTIMUM  
LUBRICANTS LIMITED

ISO 9001:2015 CERTIFIED



PRODUCT DATA SHEET (PDS)

## COMET INDUSTRIAL BEARING AND CIRCULATING OIL

### DESCRIPTION

Comet Industrial Bearing and Circulating Oils are designed to provide outstanding oxidation and water separation protection for most industrial bearing & circulating oil system applications and certain other industrial applications which do not require oils with extreme pressure (EP) properties. It meets the requirements of Danieli for common bearing oils.

### FEATURES & BENEFITS

- Advance corrosion inhibition for ferrous and ferrous alloys.
- Excellent pH buffering to sustain long life fluids
- Excellent cooling properties that avoid overheating of parts and chips in machine operations.
- Excellent fines separation and flushing
- Increase tool life and faster machining
- Good detergency and high work piece visibility

### APPLICATIONS

- Machine Circulation Systems
- Oil Lubricated Bearings
- Suitable for most Plain & rolling element bearings
- General industrial applications
- Roll neck bearings

### MEETS PERFORMANCE LEVELS

- Danieli Standard oil 6.124249.F
- DIN 51517-1-type C
- DIN 51517-2-type CL



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### PHYSICAL PROPERTIES

Properties	Method	Unit	Typical Values			
ISO Grade			100	150	220	320
Kinematic Viscosity @ 40 °C	ASTM D 445	Cst	99	151	222	321
Kinematic Viscosity @ 100 °C	ASTM D 445	Cst	11	14.7	19	24.6
Viscosity Index	ASTM D 2270		95	96	96	98
Density @ 15 °C	ASTM D 1298	Kg/l	0.880	0.889	0.892	0.896
Pour point	ASTM D 97	°C	-14	-14	-14	-14
Flash point COC	ASTM D92	°C	222	221	221	219

### 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.



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