

Carter EP

Mineral oil for enclosed gear drives

APPLICATIONS

Carter EP has been specially designed for lubricating enclosed gear drives operating under severe conditions. These include:

- Bevel, spur, and worm gears
- Bearings and gear couplings.

Not compatible with PAG based lubricants.

SPECIFICATIONS

- DIN 51517 Part 3 - CLP
- ISO 12925-1 category CKD/CKSMP
- AGMA 9005-F16 AS
- SEB 181226
- JIS K 2219:2006 (Class 2)
- Chinese GB 5903 L-CKD
- US STEEL 224

ADVANTAGES

High quality extreme-pressure and anti-wear properties ensuring micro pitting protection.

Excellent resistance to oil oxidation and degradation.

Excellent seal compatibility.

Outstanding protection against rust and corrosion of copper alloys.

Excellent resistance to foaming and emulsion formation.

APPROVALS

FLENDER

CMD GEARS

SEW

BONFIGLIOLI

DB SANTASALO

NORD GETRIEBE

ZOLLERN and many others

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

TYPICAL CHARACTERISTICS

| Properties | Units | Standards | Carter EP | | | | | | | |
|-----------------------------|--------------------|-------------|-----------|---------|---------|---------|---------|---------|---------|---------|
| | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 |
| Density at 15 °C | kg/m ³ | ISO 3675 | 875 | 882 | 889 | 894 | 901 | 897 | 894 | 900 |
| Viscosity at 40°C | mm ² /s | ISO 3104 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 |
| Viscosity at 100°C | mm ² /s | ISO 3104 | 9 | 11 | 15 | 19 | 24 | 34 | 45 | 44 |
| Viscosity index | - | ISO 2909 | 106 | 98 | 97 | 97 | 97 | 113 | 112 | 80 |
| Open cup Flash Point | °C | ISO 2592 | > 220 | > 220 | > 220 | > 220 | > 220 | > 220 | > 220 | > 220 |
| Pour point | °C | ISO 3016 | < -30 | < -20 | < -20 | < -12 | < -12 | < -20 | < -20 | -9 |
| FZG A/8.3/90 | Fail stage | DIN 51354/2 | 14 pass | 14 pass | 14 pass | 14 pass | 14 pass | 14 pass | 12 pass | 12 pass |
| FZG Micro pitting GFT Class | Fail stage | FVA 54 | - | 10 high |

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