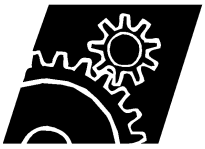
# CARTER EP



***Lubrication***

**Mineral oils for enclosed gears.**

## APPLICATIONS

**Enclosed gears, bearings, couplings**

- **CARTER EP** has been specially designed for lubricating enclosed gears operating under severe conditions:
  - bevel and spur gears
  - bearings and gear couplings
  - worm gears.

## SPECIFICATIONS

**International specifications**

Manufacturers

- DIN 51517 Part III
- ISO 12925-1 CKSMP
- AGMA 9005 – F 16 Antiscuffing
- JIS K2219. 2006 (class 2)
- DAVID BROWN S1.53.101 E
- AIST 224
- FLENDER AS 7300

## ADVANTAGES

- Excellent extreme-pressure and anti-wear properties.
- Perfect seal compatibility.
- Very good resistance to oil oxidation and degradation.
- Oustanding protection to rust and corrosion of copper alloys.
- Very good resistance to foaming and emulsion formation.

## HANDLING OPERATIONS - HEALTH - SAFETY

- CAUTION: not compatible with polyglycol base oils.

| TYPICAL CHARACTERISTICS | METHODS | UNITS | CARTER EP | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | **68** | **100** | **150** | **220** | **320** | **460** | **680** | **1000** |
| Density at 15 °C | ISO 3675 | kg/m$^3$ | 875 | 882 | 889 | 895 | 901 | 895 | 894 | 937 |
| Viscosity at 40 °C | ISO 3104 | mm$^2$/s | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 |
| Viscosity at 100 °C | ISO 3104 | mm$^2$/s | 8.9 | 11.3 | 14.7 | 19 | 24.3 | 34.5 | 45 | 43,5 |
| Viscosity index | ISO 2909 | | 106 | 98 | 97 | 97 | 97 | 113 | 112 | 80 |
| Open cup flash point | ISO 2592 | °C | 230 | 233 | 227 | 270 | 264 | 256 | 258 | 244 |
| Pour point | ISO 3016 | °C | - 24 | - 21 | - 21 | - 21 | - 15 | - 12 | - 12 | - 9 |
| FZG A/8,3/90 | DIN 51 354/2 | Fail stage | 14 Pass | 14 Pass | 14 Pass | 14 Pass | 14 Pass | 14 Pass | 12 Pass | 12 Pass |
| FZG Micropitting | FVA 54 | Fail stage | - | 10 high | 10 high | 10 high | 10 high | 10 high | 10 high | 10 high |
| GFT class | | | | | | | | | | |

Above characteristics are mean values given as an information.



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 adviser or down loaded from www.quick-fds.com.