

# 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:
  - level and spur gears
  - bearings and gear couplings
  - worm gears.

## SPECIFICATIONS

International specifications

Manufacturers

- DIN 51517 Part 3 ⇒ group CLP
- ISO 12925-1 CKD
- AGMA 9005 - D94 EP
- CINCINNATI MILACRON
- DAVID BROWN
- AISI 224
- SEB 181226
- FLENDER

## ADVANTAGES

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

## HANDLING OPERATIONS - HEALTH - SAFETY

- **CAUTION:** not compatible with oils based on polyglycols.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CARTER EP							
			68	100	150	220	320	460	680	1000
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	0,885	0,888	0,892	0,893	0,899	0,903	0,920	0,937
Viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	68,1	107,0	153,4	216,9	319,1	452,2	665,6	1000,0
Viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	8,7	11,8	14,8	18,5	23,7	29,9	34,5	43,5
Viscosity index	ISO 2909		99	98	96	95	93	95	82	80
Open cup flash point	ISO 2592	°C	230	233	227	270	264	256	258	244
Pour point	ISO 3016	°C	- 24	- 21	- 27	- 21	- 15	- 12	- 12	- 9
FZG A/8,3/90	DIN 51 354/2	Fail stage	> 13	> 13	> 13	> 13	> 13	> 13	> 13	> 13
FZG Micropitting	FVA 54	Fail stage	-	-	-	10 +	10 +	10 +	10 +	10 +
GFT class			-	-	-	high	high	high	high	high

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
 Industrie & Spécialités  
 03-05-2004 (supersedes 11-06-2001)  
 CARTER EP  
 1/1



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](http://www.quick-fds.com).