

CARTER EP

Mineral oil for enclosed gear drives

Applications

Light to heavy duty gearboxes

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

Specifications

International 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

Approvals

OEM

- FLENDER, CMD GEARS, SEW, ZF, BONFIGLIOLI, DB SANTASALO, NORD GETRIEBE, ZOLLERN and many others

Advantages

- High quality extreme-pressure and anti-wear properties ensuring micropitting 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

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	900
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	228	222	238	244	248	256	224	244
Pour point	ISO 3016	°C	-33	-27	-24	-18	-12	-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 GFT Class	FVA 54	Fail stage	-	10 high	10 high	10 high	10 high	10 high	10 high	10 high

Above characteristics are mean values given as an information

CAUTION: not compatible with polyglycol (PAG) based gear oils