CARTER SH

Premium Synthetic oil for enclosed gear drives

Applications
Light to heavy duty gearboxes

Carter SH has been developed based on PAO (Polyalphaolefin) for enclosed gear drives to provide optimum gear protection against micropitting and bearing protection against scuffing, under very severe and difficult conditions such as high loads and high operating temperatures.

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 and GB/T 33540.3
- US STEEL 224

Approvals
OEM

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

Advantages

- Superior resistance to oxidation and high thermal stability leading to reduced maintenance downtime
- Very high natural viscosity index and low friction coefficient leading to energy savings
- Superior extreme-pressure and anti-wear properties ensuring micropitting protection
- Excellent compatibility with seals and metals containing copper
- Very low pour point ensuring excellent flow characteristics in very low or arctic temperature conditions

TYPICAL CHARACTERISTICS	METHODS	UNITS	Carter SH									
			68	100	150	220	320	460	680	1000	1500	3200
Density at 15 °C	ISO 3675	kg/m³	850	853	856.5	859.7	861.7	863.3	864.9	869.5	880	950
Viscosity at 40°C	ISO 3104	mm²/s	68	100	147.9	220.1	313.8	454.7	676.8	997.8	1500	3200
Viscosity at 100°C	ISO 3104	mm²/s	11.5	15.3	19.4	26.2	34.6	46.6	64	85.6	113	183
Viscosity index	ISO 2909		154	153	150	152	155	160	165	169	165	165
Open cup Flash Point	ISO 2592	°C	242	255	235	242	242	248	250	229	230	230
FZG Micropitting	FVA 54 IIV	-	-	-	-	10+	10+	10+	10+	10+	10+	10+
FZG A/8.3/90	DIN 51 354/2	-	> 12	> 12	> 13	> 13	> 13	> 13	> 13	> 13	> 13	> 13
Pour point	ISO 3016	°C	-48	-45	-45	-45	-42	-40	-39	-28	-18	-9

Above characteristics are mean values given as an information

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

TotalEnergies Lubrifiants
INDUSTRY & SPECIALTIES
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Carter SH
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