

CARTER SH



Lubrication



Synthetic oil (PAO) for enclosed gears.

APPLICATIONS

Enclosed gears, bearings, gear couplings

- **TOTAL CARTER SH** has been developed to provide optimum lubrication for enclosed industrial gears and bearings, and under very severe conditions anti wear and extreme pressure protection against scuffing.
 - Bevel and spur gears
 - Worm gears
 - Heavily loaded bearings and gear couplings.

SPECIFICATIONS

International specifications

Manufacturers

- DIN 51517 - 3 CLP
- ISO 12925-1 CKSMP
- AISI 224
- CINCINNATI MILACRON
- DAVID BROWN
- SIEMENS-FLENDER (VG 150 to VG 680)
- USINOR FT 161
- MÜLLER WEINGARTEN
- AGMA 9005 - E02

ADVANTAGES

- Excellent extreme-pressure performance: protection against high loads and micropitting.
- Very high natural viscosity index (shear stable) and low friction coefficient providing energy saving* up to 4 % compared to mineral oil lubrication.
- Very low pour point: operation at very low temperatures.
- Very good resistance to oxidation: operation at high temperatures, and lifetime increased by a factor of 2 to 4.
- Compatible with seals and metals containing copper.

HANDLING OPERATIONS - HEALTH - SAFETY

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

TYPICAL CHARACTERISTICS	METHODS	UNITS	CARTER SH							
			68	100	150	220	320	460	680	1000
Density at 15 °C	ISO 3675	kg/m ³	850	853	856,5	859,7	861,7	863,3	864,9	869,5
Viscosity at 40 °C	ISO 3104	mm ² /s	68	100	147,9	220,1	313,8	454,7	676,8	997,8
Viscosity at 100 °C	ISO 3104	mm ² /s	11.5	15.3	19,4	26,2	34,6	46,6	64,0	85,6
Viscosity index	ISO 2909		154	153	150	152	155	160	165	169
Open cup flash point	ISO 2592	°C	242	255	235	242	242	248	250	229
FZG Micropitting	FVA 54 IIV	-	-	-	-	10 +	10 +	10 +	10 +	10 +
FZG A/8.3/90	DIN 51 354/2	-	>12	>12	> 13	> 13	> 13	> 13	> 13	> 13
Pour point	ISO 3016	°C	-48	-45	- 45	- 45	- 42	- 40	- 39	- 28

Above characteristics are mean values given as an information.

*High Efficiency

TOTAL LUBRIFIANTS
Industrie & Spécialités
 29-01-2020 (supersedes 30-06-2016)
 CARTER SH
 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.