CARTER SH

Lubrication

Synthetic oil (PAO) for enclosed gears.

APPLICATIONS

Enclosed gears, bearings, gear couplings

- **TOTAL CARTER SH** has been developed for enclosed industrial gears to provide optimum gear protection against micopitting and bearing protection against scuffing under very severe conditions.
  - bevel and spur gears
  - Heavily loaded bearings and gear couplings.

SPECIFICATIONS

International specifications

- DIN 51517 Part 3 ⇒group CLP
- NF-ISO 6743-6 category CKD

Manufacturers

- AISI 224
- CINCINNATI MILACRON
- DAVID BROWN
- FLENDER
- USINOR FT 161
- MÜLLER WEINGARTEN
- AGMA 9005 - E02

ADVANTAGES

- Very high protection (high and low temperatures) from micropitting scuffing wear (GFT - class: high).
- Excellent extreme-pressure performance: protection against high loads.
- Very high natural viscosity index: (shear stable) and low friction coefficient.
- 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							
			150	220	320	460	680	1000	1500	3200
Density at 15 °C	ISO 3675	kg/m^3	856.5	859.7	861.7	863.3	864.9	869.5	880.0	950.0
Viscosity at 40 °C	ISO 3104	mm^2/s	147.9	220.1	313.8	454.7	676.0	997.8	1500	3200
Viscosity at 100 °C	ISO 3104	mm^2/s	19.4	26.2	34.6	46.0	64.0	85.6	113	183
Viscosity index	ISO 2909		150	152	155	160	165	169	165	165
Open cup flash point	ISO 2592	°C	235	237	233	231	237	229	>230	>230
FZG Micropitting	FVA 54 IIV	-	-	10 +	10 +	10 +	10 +	10 +	10 +	10 +
FZG A/8.3/90	DIN 51 354/2	-	> 14	> 14	> 14	> 14	> 14	> 14	>14	>14
Pour point	ISO 3016	°C	- 48	- 45	- 42	- 42	- 33	- 27	-18	-9

Above characteristics are mean values given as an information.