

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 micro pitting and bearing protection against scuffing, under very severe and difficult conditions such as high loads and high operating temperatures.

Not compatible with PAG based lubricants.

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

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 micro pitting protection.

Excellent compatibility with seals and metals containing copper.

Very low pour point ensuring excellent flow characteristics in very low or arctic temperature conditions.

APPROVALS

FLENDER

CMD GEARS

SEW

ZF

DB SANTASALO

BONFIGLIOLI

NORD GETRIEBE

ZOLLERN and many others.

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 advisor or downloaded at ms-sds.totalenergies.com

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Carter SH									
			68	100	150	220	320	460	680	1000	1500	3200
Density at 15°C	kg/m ³	ISO 3675	850	853	856	860	862	863	865	869	880	950
Viscosity at 40°C	mm ² /s	ISO 3104	68	100	148	220	314	455	677	998	1500	3200
Viscosity at 100°C	mm ² /s	ISO 3104	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	°C	ISO 2592	242	255	235	242	242	248	250	229	230	230
FZG Micro pitting	-	FVA 54 IIV	6	6	6	10+	10+	10+	10+	10+	10+	10+
FZG A/8.3/90	-	DIN 51354/2	>12	>12	>13	>13	>13	>13	>13	>13	>13	>13
Pour point	°C	ISO 3016	-48	-45	-45	-45	-42	-40	-39	-28	-18	-9

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