

# Carter SG

## Synthetic lubricant (PAG) for enclosed gear drives

### APPLICATIONS

Worm drives, bevel, and spurs gears.

Lubrication of gear drives operating under severe conditions: high loads, high temperature peaks and corrosive atmospheres.

Non miscible with mineral oils.

### SPECIFICATIONS

DIN 51517 Part 3 - CLP

ISO 12925-1 category CKE

### ADVANTAGES

Superior resistance to oxidation and high thermal stability leading to reduced maintenance downtime.

Very high natural viscosity index and superior low friction coefficient leading to energy savings.

Excellent level corrosion protection (tested with sea and acidic water).

Excellent extreme-pressure and anti-wear properties.

Very good foaming behavior.

### APPROVALS

DANIELI

Meets the requirements of the main gearbox manufacturers.

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](http://ms-sds.totalenergies.com)

## TYPICAL CHARACTERISTICS

Properties	Units	Standards	Carter SG						
			100	150	220	320	460	680	1000
Aspect – Color	-	Visual	Translucent – Slightly amber						
Density at 15 °C	kg/m <sup>3</sup>	ISO 3675	1078	1083	1093	1101	1110	1109	1109
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104	100	150	220	320	460	680	1000
Viscosity at 100°C	mm <sup>2</sup> /s	ISO 3104	18.2	27.2	39.1	54.6	74.8	109.5	157.5
Viscosity index	-	ISO 2909	209	219	231	238	244	260	275
Open cup Flash Point	°C	ISO 2592	246	240	240	240	238	240	260
Pour point	°C	ISO 3016	-56	-35	-30	-30	-30	-30	-31
Oxidation stability – viscosity variation	%	ASTM D2893				< 6			
FZG A/8.3/90	Fail stage	DIN 51354/2				> 13			
FAG Fe 8 Wearing - Roller	mg	DIN 51354-2				< 30			
FAG Fe 8 Wearing – Cage	mg	DIN 51819-3				< 50			

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