

# CARTER XEP



*Lubrication*



High performance lubricant for enclosed gears.

## APPLICATIONS

### Heavily loaded gears in casing

- **CARTER XEP** is a new generation of high-performance lubricant for heavily loaded reducers. The severest technical specifications were taken into account during the development of this product especially regarding micropitting protection and anticorrosion properties. The specific **CARTER XEP** additivation reduces considerably the wears of gears and mechanisms.

## SPECIFICATIONS

### International specifications

- DIN 51517 Part 3 ⇒ CLP group
- ISO 12925 CKD category
- US STEEL 224
- SIEMENS - FLENDER - GEAR UNIT

## ADVANTAGES

- Excellent extreme-pressure performances, remarkable protection of heavily loaded tothing against micropitting.
- Excellent anti-corrosion properties protecting gears in critical environments (sea water or acidic water contamination).
- Very good thermal stability ensuring a longer service life than conventional lubricants.
- Strengthened foaming protection. Good demulsification behaviour.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CARTER XEP				
			150	220	320	460	680
Pour point	ISO 3016	°C	- 27	- 27	- 27	- 24	- 21
Temperature at 25 mm <sup>2</sup> /s		°C	85	95	104	114	122
Temperature at 2000 mm <sup>2</sup> /s		°C	4	8	22	18	32
Temperature at 5000 mm <sup>2</sup> /s		°C	- 6	- 2	3	7	11
Viscosity index	ISO 2909		111	113	118	122	118
Color index	ISO 2049		L1.0	L1.0	L1.0	L1.0	L1.0
Water solubility			No	No	No	No	No
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	872	875	877	878	881
Viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	150	220	320	460	680
Viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	16	21	38	37	47
Open cup flash point	ISO 2592	°C	244	230	222	214	216
FZG A/8, 3/90 - A/16.6/90	DIN ISO14635-1	Load stage	> 12	> 12	> 12	> 12	> 12
FZG - Micropitting	FVA 54/7	Damage load stage	> 10	> 10	> 10	> 10	> 10
FZG-Gft		Classification	High	High	High	High	High

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
INDUSTRIE

21-02-2017 (supersedes 22-12-2016)

CARTER XEP

1/2



