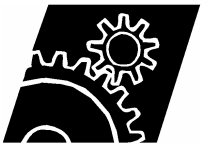
CARTER SY WM 320



Lubrication

Synthetic oil (polyglycol) for enclosed gears.

APPLICATIONS

Enclosed gears

- Lubrication of worm gears and gears operating under the most severe conditions (high loads,extreme temperatures).
- The specific performances of this oil make it particulary suitable for use in the gearboxes of the wind Mill.

SPECIFICATIONS

International specifications

- DIN 51517 Part 3 ⇒ group CLP
- NF-ISO 6743-6 category CKS/CKT

Manufacturers

- DAVID BROWN
- FLENDER

ADVANTAGES

- High tolerance to contamination by water (water soluble).
- Very high viscosity index: mechanical shear stable.
- Low coefficient of friction: greater protection for non-ferrous parts, such as the bronze ring gear in worm gears systems, offering an energy saving of between 5 and 10% compared with a mineral oil.
- Excellent thermal stability: extended oil lifetime.
- Excellent extreme pressure and anti-wear properties: highly micropitting resistant (classification: high).
- Usable in the Food Industries.

HANDLING OPERATIONS - HEALTH - SAFETY

- Oils based on POLYGLYCOLS, such as **CARTER SY WM**,are incompatible with most mineral and synthetic oils (PAO). Similarly, check compatibility with system components (seals and paint).

TYPICAL CHARACTERISTICS	METHODS	UNITS	CARTER SY WM 320
Density at 15 °C	ISO 3675	kg/m^3	1062
Viscosity at 40 °C	ISO 3104	mm^2/s	320
Viscosity at 100 °C	ISO 3104	mm^2/s	58.5
Viscosity index	ISO 2909		252
Open cup flash point	ISO 2592	°C	> 275
Pour point	ISO 3016	°C	< - 30
FZG Micropitting resistance	FVA54/I-IV		
- damage load stage			10
- endurance test			10
FZG test (A/8,3/90) damage load stage	DIN 51354		> 12

Above characteristics are mean values given as an information.