



CITGO CITGEAR® WT 320

Date 09/15

DESCRIPTION: CITGO CITGEAR WT 320 is a synthetic gear lubricant designed specifically for wind turbine gear lubrication. CITGO CITGEAR WT 320 meets industrial gear oil standard DIN 51517-3.

QUALITIES: CITGEAR WT 320 offers:

- Wear protection for gear and bearing components
- Protection against micropitting
- High viscosity index (VI) for wide temperature performance
- Oxidation stability and rust/corrosion protection
- Suppression of foam and air/oil dispersion
- Seal compatibility per DIN 51517-3 and ISO 1817(Flender)

APPLICATIONS: CITGO CITGEAR WT 320 is recommended for wind turbine gear lubrication and can also be used in industrial gear applications requiring extreme pressure (EP) protection, operating under a wide range of temperatures, and where a long lasting fluid is desired.

Approved for:

- Flender gear units by Siemens MD(Rev.15)
- Field testing in wind turbines by Winergy and Moventas
- FAG Schaeffler bearings in wind turbines (passed 4 step test)

TYPICAL PROPERTIES:**CITGO CITGEAR WT 320**

ISO VISCOSITY GRADE	320
Material Code	632604001
Gravity, ASTM D 4052, °API	27.3
Density, lb/gal at 60°F	7.42
Flash Point, COC, ASTM D 92, °F (°C)	210 (410)
Viscosity:	
ASTM D 445, cSt at 40°C	328
ASTM D 445, cSt at 100°C	38.2
Viscosity Index, ASTM D 2270	167
Pour Point, ASTM D 97, °F(°C)	-27 (-33)
Color, ASTM D 1500	L1.0
Foam Test, ASTM D 892, Seq. I, II, III	0-0, 10-0, 0-0
Water Separability, @180 °F, ASTM D 1401	40/40/0/30
AGMA Grade	6 EP

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