



## **Syngear SG 220**

*Heavy Duty Synthetic Gear Oil*

### **TECHNICAL DATA SHEET**

#### **Product Description:**

Veedol Syngear SG 220 is heavy duty synthetic gear oil specially designed for applications requiring gear oil with longer service life and high micro-pitting resistance and EP characteristics. Veedol Syngear SG 220 is a premium quality high performance gear oil formulated from Polyalkylene Glycol (PAG) synthetic hydrocarbon base stock and advanced technology additive system which provides exceptional oxidation & thermal stability, excellent low temperature fluidity, cleanliness, lower volatility and overall better lubricity. Veedol Syngear SG 220 exhibits effective load carrying ability and offers tenacious oil film on gear teeth at all operating conditions. Veedol Syngear SG 220 improves operating efficiencies, extends drain interval, reduces make-up rates & lowers maintenance cost. It helps environment by minimizing lubricant use, disposal and reduces power consumption.

#### **Performance Specifications:**

Meets & exceeds the performance requirements of

- DIN 51517 Part 3
- ISO 12925 CKPG, CSPG, CTPG
- Flender T 7300 A-b (revision 16)

#### **Features/Benefits:**

- Significantly longer oil life compared to mineral oils to lower service costs
- High load carrying capacity due to superior extreme pressure protection properties.
- Extended service interval
- Excellent oxidation and thermal stability extends oil and equipment life
- Superior rust and corrosion protection
- Excellent lubricity reduces energy consumption
- Low volatility helps to reduce lubricant consumption
- Compatibility with mineral oils and common seal materials.
- Cleaner equipment due to less deposits, sludge and varnish formation.
- Lower maintenance cost and improves fuel efficiency

#### **Application:**

- Recommended for industrial worm gear, helical, bevel helical and planetary gear systems and other applications involving extremes of temperatures and high loads.
- Suitable particularly for certain applications where systems are inaccessible and/ or maintenance is infrequent.
- Also suitable for lubrication of bearings and other components in circulation and splash-lubricated systems.



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#### Typical Properties:

Test Parameter	Test Method	Typical Value
Kinematic Viscosity, @ 40°C, cSt	ASTM D 445	230
Kinematic Viscosity, @ 100°C, cSt	ASTM D 445	42
Viscosity Index	ASTM D 2270	235
Flash Point (COC), °C	ASTM D 92	> 290
Pour Point, °C	ASTM D 97	-42
Load carrying properties FZG A/8, 3/90, failure stage	ISO14635-1	> 14
FE8 bearing roller wear, < 30 mg	DIN 51819-3	Passes
Micro-pitting behavior	FVA Nr. 54 I-IV	High

Properties mentioned above are typical only and minor variations which do not affect the product performances, are to be expected in normal manufacturing.