

VIRO-TEC Semi Synthetic Diesel Engine Oil SAE 20W50 CH-4 /SJ

Product Description

VIRO-TEC 20W-50 CH-4 is a high-performance semi-synthetic diesel engine oil specifically formulated to deliver exceptional protection and performance in heavy-duty engines. It is engineered to meet the demanding requirements of modern and older diesel engines operating in both on-road and off-road conditions.

Application

- Ideal for high-speed 4-stroke diesel engines with varied fuel qualities.
- Recommended for naturally aspirated and turbocharged diesel engines in trucking, construction, mining, and agriculture.
- Suitable for vehicles requiring long oil drain intervals and enhanced engine protection under severe operating conditions.

Performance Benefits

- **Enhanced Oxidation Stability:** Prevents sludge and deposit formation, ensuring engine cleanliness.
- **Superior Shear Stability:** Maintains optimal viscosity under thermal and mechanical stress, reducing wear.
- **High TBN Reserve:** Effectively neutralizes acids, ensuring prolonged oil life.
- **Advanced Detergency and Dispersancy:** Minimizes soot accumulation for extended engine protection.
- **Wide Application Range:** Suitable for turbocharged and naturally aspirated diesel engines across various industries.

Meets and Exceeds

- API CH-4/SJ
- ACEA E7-22
- MB 228.1
- MAN 3275
- Caterpillar ECF-1a

Storage and Handling

- Store in a cool, dry place away from direct sunlight and freezing conditions.
- Keep containers sealed to prevent contamination.
- Recommended storage temperature: Below 60°C.

Typical Properties

Property	Method	Units	Value
SAE Grade	-	-	20W-50
Density @ 15°C	ASTM D4052	g/ml	0.8765
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	163.5
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	19.11
Viscosity Index	ASTM D2270	-	133
Pour Point	ASTM D97	°C	-30
Flash Point (PMCC)	ASTM D93	°C	248
Sulfated Ash	ASTM D874	% wt	1.05
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.15

