



## SYNTUS 12000 SAE 15W-50 CK-4/SN

**PERFORMANCE LEVELS: Meets and Exceeds**

ACEA E6/E7/E9, CUMMINS CES 20081, VOLVO VDS-4, MB 228.31/228.51/229.1, MACK EO-M, RENAULT RLD-3, CAT ECF-3, MAN 3275

Danzol **SYNTUS 12000** Synthetic Heavy-Duty Diesel Engine oil (HDDEO) contains fully synthetic base stock formulated with the multiple advance additive's technology. SYNTUS 12000 fully synthetic diesel engine oil provides superior lubrication for both on- and off-road diesel engines with EGR or DPF and high speed four stroke diesel engines for commercial, personal or off-road application or as recommended by OEM.

### Typical properties:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES
SAE VISCOSITY GRADE		ASTM	15W-50
APPEARANCE	NA	VISUAL	B&C
COLOR	NA	ASTM D-1500	3.5
DENSITY @29.5°C	g/mL	ASTM D-4052	0.8800
KINEMATIC VISCOSITY @100°C	cSt	ASTM D-445	18.5
KINEMATIC VISCOSITY @40°C	cSt	ASTM D-445	Report
VISCOSITY INDEX	NA	ASTM D-2270	140
CORRECTED FLASH POINT	°C	ASTM D-92	236
HOMOGENEITY/MISCIBILITY	NA	ASTM D-6922	Pass
ACCEPTABLE ODOR	NA	VISUAL	Agreeable
POUR POINT	°C	ASTM D-97	-30
TOTAL BASE NO. (TBN)	mg KOH/g	ASTM D-2896	10.5

### Advantages:

- Exhibits easier cold weather starting
- Resists breakdown at high temperatures.
- Resisting deposits caused by soot and acids
- Withstands the stress of heat, wear and corrosion
- Longer drain intervals and smooth running of engines.
- Good compatibility with rubber to Protect rubber seals.
- Increases fuel economy due to ultra-low vaporization loss.
- Specially designed for Engine with EGR and turbochargers fitted.
- Highly efficient in dispersancy and detergency keeps engine clean.
- Reduces Kinetic energy loss out of friction wear by effectively dispersing ash and deposits.

### Performance Specification:

- This product meets or exceeds the following specifications
- API CK-4 and lower API, such as CJ-4 and CI-4

### Applications:

- Use for all diesel engines where API CK-4 or lower and above service grade recommended by the manufacturer. Serves best for diesel engines with EGR system and turbochargers.