



OPTIMUS 5000 SAE 20W-50 CF-SF

PERFORMANCE LEVELS: Meets and Exceeds

ACEA E2-96, MIL-L-2104E, MAN 271, MB 228.0, MTU Type 1

Danzol **OPTIMUS 5000** Engine oil contains 100% virgin base stock formulated with the multiple additives and blended with latest technology; provides superior lubrication for modern as well as older diesel engines. Suitable for use in a wide range of heavy-duty applications and operating environments found in the trucking, construction, and agricultural industries.

Typical properties:

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES
SAE VISCOSITY GRADE		ASTM	20W-50
APPEARANCE	NA	VISUAL	B&C
COLOR	NA	ASTM D-1500	2.5
DENSITY @29.5°C	g/mL	ASTM D-4052	0.8750
KINEMATIC VISCOSITY @100°C	cSt	ASTM D- 445	17.5
KINEMATIC VISCOSITY @40°C	cSt	ASTM D-445	Report
VISCOSITY INDEX	NA	ASTM D-2270	124
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	-24
TOTAL BASE NO. (TBN)	mg KOH/g	ASTM D-2896	10.5

Advantages:

- Environment friendly
- 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.
- Highly efficient in dispersancy and detergency keeps engine clean.
- Improved low temperature sludge control in frequent stop-and-go service.
- Reduced oil consumption due to improved high temperature performance.

Performance Specification:

- This product meets or exceeds the following specifications
- API CF and lower API such as CD, CC

Applications:

- Heavy duty diesel engine oil for most severe applications of modern on- and off-highway diesel engines.
- Off-highway industries including: trucking, construction, quarrying, and agriculture