



PRODUCT DATA SHEET

NP SUPER DUTY 2T 40

GENERAL

NP Super Duty 2T 40 is a high quality, low-medium ash lubricant, designed to meet the lubrication needs of **naturally aspirated** and **turbo-charged two-stroke diesel engines**. The use of **NP Super Duty 2T 40** will reduce the occurrence of exhaust valve distress.

It meets the performance requirements of Detroit Diesel Type 1 and Type 2 lubricants for two-cycle lubrication as specified by **DDC Publication 7SE270 0102, "Lubricating Oils, Filters, and Fuels"**.

NP Super Duty 2T oils are formulated from premium quality hydro-treated base stocks and a balanced additive package resulting in good film strength and high load carrying ability. **Super Duty 2T 40** provide for enhanced:

- Detergency and Dispersancy
- Corrosion and Rust Protection
- Deposit Control
- Cylinder and Piston-ring wear performance
- Oxidation Stability
- Thermal Stability

PERFORMANCE SPECIFICATIONS

The **NP Super Duty 2T 40** meets or exceeds the test requirements of:

API **CF-2, CF**
Detroit Diesel **6V92TA**

KEY BENEFITS

The use of **NP Super Duty 2T 40** would result in:

- Protection against bearing failure
- Reduced wear of valve train and engine components
- Control of viscosity increase
- Control of varnish build-up and protection against corrosive attack
- Low piston-zone deposits and ring-stick prevention
- Reduced port plugging
- Protection against bore polish
- Protection against cylinder and piston ring scuffing



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MAIN APPLICATIONS

- Two-Stroke Diesel Engines where API CF-2, SAE 40 lubricants are recommended
- Detroit Diesel Series 53, 71, 92 and 149 (Marine) Two-Stroke Engines.

TYPICAL PROPERTIES

	TEST METHOD	
SAE Viscosity Grade	J 300	40
Kin. Viscosity @ 40°C, cSt	ASTM D445	160.20
Kin. Viscosity @ 100°C, cSt	ASTM D445	15.30
Viscosity Index	ASTM D2270	96
Specific Gravity 60/60°F	ASTM D1298	0.8861
Pour Point, °C	ASTM D97	-24
Closed Flash Point, °C	ASTM D93	238
Zinc Content, % wt	IP 308	0.124
Sulphated Ash, % wt	ASTM D874	0.8
TBN, mg KOH/g	ASTM D4739	9.0

HEALTH AND SAFETY

NP Super Duty 2T 40 is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed. Please refer to the Material Safety Data Sheet (MSDS) for further information.

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