



DILOKA 448X SAE 40

DILOKA 448X SAE 40 is formulated from High Viscosity Index base oil and high quality additive which meets the recent requirement of railroad diesel lubricant.

DILOKA 448X SAE 40 is free from zinc and chlorine. It is also designed to provide minimum 180 days oil drain interval.

DILOKA 448X SAE 40 gives improved alkalinity reserve, detergency and anti oxidation performance. This performance meets the requirement of new generation "fuel economy" and low oil consumption diesel locomotive engines.

DILOKA 448X SAE 40 dibuat dari base oil High Viscosity Index bermutu tinggi dengan aditif khusus yang diformulasikan untuk pelumas mesin diesel kereta api.

DILOKA 448X SAE 40 bebas kandungan zinc dan chlorine. Pelumas ini juga didesain agar mempunyai drain interval 180 hari.

DILOKA 448X SAE 40 memiliki alkalinity reserve, kemampuan detergency dan anti oksidasi yang lebih baik. Kemampuan ini memenuhi tuntutan mesin diesel lokomotif generasi baru yang lebih hemat bahan bakar dan pelumas.

TYPICAL CHARACTERISTICS		
Characteristics	Test Method	DILOKA 448X SAE 40
SAE Viscosity Grade		40
Density at 15 °C, kg/l	ASTM D - 4052	0.8923
Kinematic Viscosity at 40 °C, cSt at 100 °C, cSt	ASTM D - 445	146.20
	ASTM D - 445	14.84
Viscosity index	ASTM D - 2270	101
ASTM Colour	ASTM D - 1500	L 7.5
Flash Point (COC), °C	ASTM D - 92	260
Pour Point, °C	ASTM D - 5950	-12
Total Base Number, mgKOH/g	ASTM D - 2896	13

PERFORMANCE LEVELS

DILOKA 448X SAE 40 meets API CF/CF2/CD, LMOA generation IV Long Life/V, GM-Electro Motive Division and Caterpillar 3600, and has been fully approved by General Electric.

APPLICATIONS

Recommended for lubrication of railroad diesel engines, particularly where "LMOA generation IV Long Life/V" oils are required. Also recommended for industrial and marine diesel engine.

TINGKATAN MUTU

DILOKA 448X SAE 40 memenuhi API CF/CF2/CD, LMOA generasi IV Long Life/V, GM-Electro Motive Division dan Caterpillar 3600, dan telah mendapatkan approval penuh dari General Electric.

PENGGUNAAN

Dianjurkan untuk pelumas crankcase mesin diesel kereta api khususnya, di mana pelumas LMOA generasi ke IV Long Life/V dibutuhkan. Juga disarankan untuk diesel sektor industri dan perkapalan.