



## MEDITRAN S SAE 10W, 30, 40, 50

**MEDITRAN S Series** are heavy duty diesel oil, formulated from high viscosity index base oil and balanced additive system.

**MEDITRAN S Series** offer protection against wear and corrosion and effective deposit control.

**MEDITRAN S Series** are suitable for turbocharged, supercharged, or naturally aspirated high speed diesel engines for transportation, heavy equipment, industry or marine applications. **MEDITRAN S 10W** and **MEDITRAN S 30** are recommended for transmission and hydraulic system of heavy duty machineries

**MEDITRAN S Series** adalah pelumas mesin diesel tugas berat, yang diformulasikan dari base oil yang mempunyai viscosity index tinggi dan aditif yang seimbang.

**MEDITRAN S Series** memberikan perlindungan terhadap keausan dan korosi serta efektif dalam mengontrol terbentuknya deposit.

**MEDITRAN S Series** dapat digunakan untuk pelumasan mesin diesel kendaraan, alat berat, industri maupun perkapalan putaran tinggi jenis turbocharged, supercharged, atau naturally aspirated.

**MEDITRAN S 10W** dan **MEDITRAN S 30** juga dianjurkan untuk sistem transmisi dan hidrolis pada mesin tugas berat.

TYPICAL CHARACTERISTICS					
Characteristics	Test Method	MEDITRAN S 10W	MEDITRAN S 30	MEDITRAN S 40	MEDITRAN S 50
SAE Viscosity Grade		10W	30	40	50
Density at 15 °C, kg/l	ASTM D - 4052	0.8832	0.8921	0.8953	0.9
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	37.7	98.6	143.8	235.5
	ASTM D - 445	6.24	11.2	14.4	19.92
Viscosity Index	ASTM D - 2270	113	99	98	97
ASTM Colour	ASTM D - 1500	L 4.5	L 5.0	L 5.0	L 5.5
Flash Point °C	ASTM D - 92	230	236	244	244
Pour Point, °C	ASTM D - 5950	-32	-12	-12	-9
Total Base Number, mg KOH/g	ASTM D - 2896	11.2	11.16	11.16	11.34

### PERFORMANCE LEVELS

**MEDITRAN S Series** are API CF (approved for SAE 30,40,50)/CF2, MB-Approval 228.0 (SAE 40) and MB-Approval 235.12, and Komatsu KES 07.851.2000 (SAE 40).

**MEDITRAN S Series** also meets specification of ACEA E2-96, CAT TO-2, MIL-L-2104D and MIL-L-46152B.

**MEDITRAN S 10W** and **30** are meet Allison C4 specification.

### TINGKATAN MUTU

**MEDITRAN S Series** memenuhi spesifikasi API CF (approved for SAE 30,40,50)/CF2, MB-Approval 228.0 (SAE 40) dan MB-Approval 235.12, dan Komatsu KES 07.851.2000 (SAE 40).

**MEDITRAN S Series** juga memenuhi spesifikasi ACEA E2-96, CAT TO-2, MIL-L-2104D dan MIL-L-46152B.

**MEDITRAN S 10W** dan **30** memenuhi spesifikasi Allison C4.