

# HEAVY DUTY DIESEL ENGINE OIL

MEDITRAN SX API CI-4

MEDITRAN SX API CH-4

MEDITRAN SC

MEDITRAN S SERIES

MEDITRAN B SERIES

MEDITRAN SERIES

**MEDITRAN SX SAE 15W-40 SERVICE API CI-4  
PELUMAS MESIN DIESEL TUGAS BERAT  
TEKNOLOGI TINGGI**

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

Characteristics	Testing Method (ASTM)	Test Result Typical
No. SAE Viscosity Grade		15W-40
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	D - 445	102.30 14.23
Viscosity Index	D - 2270	142
Colour ASTM	D - 1500	4.0
Flash Point (COC), °C	D - 92	220
Pour Point, °C	D - 97	-30
Total Base Number (TBN), mg KOH/g.	D - 2896	11.84
Apparent Viscosity at -20 °C, cps	D - 5293	5000

**MEDITRAN SX SAE 15W-40 CH-4**

**MINYAK LUMAS MESIN DIESEL DENGAN  
KEKENTALAN GANDA (MULTIGRADE)**

**TYPICAL CHARACTERISTIC**

**KARAKTERISTIK TIPIKAL**

Typical Characteristics	Testing Method (ASTM)	Test Result Typical
No. SAE Viscosity Grade		15W-40
Specific density, 15 °C	D - 1298	0.8890
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	D - 445	116.35 14.85
Viscosity Index	D - 2270	132
Apparent Viscosity/CCS at -20° C, cPs	D - 5293	6250
Colour ASTM	D - 1500	4.0
Flash Point (COC), °C	D - 92	220
Pour Point, °C	D - 97	-27
Total Base Number (TBN), mg KOH/g	D - 2896	11.51

**MEDITRAN SC 15W-40**

**MINYAK LUMAS MESIN DIESEL (UNTUK TUGAS BERAT)**

**TYPICAL CHARACTERISTIC**

**KARAKTERISTIK TIPIKAL**

No.	Typical Characteristics	ASTM Method	MEDITRAN SC15W-40
1	No. SAE		15W-40
2	Density at 15 °C (kg/L)	D-4052	0.8847
3	Viscosity Kinematic, at 40 °C, cST at 100 °C, cST	D-445 D-445	114.45 14.50
4	Viscosity Index	D-2270	134
5	Colour ASTM	D-1500	3.5
6	Flash Point (°C)	D-92	224
7	Pour Point (°C)	D-5950	-24
8	Total Base Number (mg KOH/g)	D-2896	11.06
9	Apparent Viscosity at -20 °C, cps	D-5293	6800

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

**MINYAK LUMAS MESIN DIESEL UNTUK TUGAS BERAT**

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

No.	Typical Characteristics	ASTM Method	MEDITRAN S			
			10W	S 30	S 40	S 50
1	No. SAE		10W	30	40	50
2	Density at 15 °C (kg/L)	D-4052	0.8797	0.8902	0.8932	0.9013
3	Viscosity Kinematic, at 40 °C, cST at 100 °C, cST	D-445	33.11	91.56	142.40	238.35
		D-445	5.90	10.82	14.40	20.19
4	Viscosity Index	D-2270	123	102	99	98
5	Colour ASTM	D-1500	4.0	4.5	4.5	L5.0
6	Flash Point (°C)	D-92	213	226	253	273
7	Pour Point (°C)	D-5950	-32	-18	-12	-9
8	Total Base Number (mg KOH/g)	D-2896	10.30	10.30	10.30	10.30

MESRAN B SAE 30,40,50

MINYAK LUMAS MESIN DIESEL

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

No.	Typical Characteristics	ASTM Method	MESRAN B			
			10W	30 W	40 W	50 W
1	No. SAE					
2	Density at 15 °C (kg/L)	D-4052	0.8802	0.8910	0.8966	0.8977
3	Viscosity Kinematic, at 40 °C, cST at 100 °C, cST	D-445	39.30	105.50	145.80	227.20
		D-445	6.25	11.85	14.9	19.95
4	Viscosity Index	D-2270	106	101	102	101
5	Colour ASTM	D-1500	2.0	L2.5	L3.5	L3.5
6	Flash Point (°C)	D-92	240	226	230	264
7	Pour Point (°C)	D-5950	9	-12	-12	-12
8	Total Base Number (mg KOH/g)	D-2896	5.24	10.22	11.70	10.42

**PERTAMINA**  
LUBRICANTS