

SMALL ENGINE OILS

- *Enduro 4T*
- *Enduro 4T Racing*
- *2T Enviro*
- *Mesrania 2T Sport TC-A*
- *Mesrania 2T OB*
- *Mesrania 2T Super X*
- *Mesrania 2T Super*

ENDURO 4T 20W-50 □ MINYAK LUMAS MESIN MOTOR 4 TAK DENGAN KEKENTALAN GANDA (MULTIGRADE)

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

Characteristics	Testing Method	Test Result Typical
No. SAE		20W-50
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	D - 445	171.39 18.74
Viscosity Index	D - 2270	123
Density 15 °C, Kg/l	D - 1298	0.8904
Colour ASTM	D - 1500	Light Blue
Flash Point (COC), °C	D - 92	234
Pour Point, °C	D - 97	-18
Total Base Number (TBN), mg KOH/g	D - 2896	8.90
Sulfated Ash %wt	D - 874	1.16
Apparent Viscosity @ -15 °C, cP	D - 8293	8.800

ENDURO 4T RACING 10W-40 □ MINYAK LUMAS SYNTEHTIC FORCED MESIN MOTOR 4 TAK DENGAN KEKENTALAN GANDA (MULTIGRADE)

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

Characteristics	Testing Method	Test Result Typical
No. SAE Viscosity Grade		10W-40
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	D - 445	65.38 10.66
Viscosity Index	D - 2270	153
Apparent Viscosity @ -15 °C, cPs	D - 5293	68.37
Density 15 °C, Kg/l	D - 1298	0.8779
Colour	Visual	Blue
Flash Point (COC), °C	D - 92	222
Pour Point, °C	D - 97	-36
Total Base Number (TBN), mg KOH/g	D - 2896	9.59

2TENVIRO SAE 20 □ MINYAK LUMAS SINTETIS UNTUK MESIN BENSIN DUA LANGKAH □ BERPENDINGIN UDARA

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

Characteristics	Testing Method	Test Result Typical
No. SAE Viscosity Grade		20
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	D - 445	42.51 7.76
Viscosity Index	D - 2270	154
Density 15 °C, Kg/l	D - 1298	0.8673
Colour ASTM	D - 1500	Green
Flash Point (COC), °C	D - 92	74
Pour Point, °C	D - 97	-21
Total Base Number (TBN), mg KOH/g	D - 2896	1.69

MESRANIA 2T SPORT TC-A SAE 30 MINYAK LUMAS BENSIN DUA LANGKAH

TYPICAL CHARACTERISTIC**KARAKTERISTIK TIPIKAL**

Characteristics	Test Result Typical
Specific density, 15 °C	0.8814
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	93.41 10.92
Viscosity Index	101
Colour ASTM	L6.0/RED
Flash Point (COC), °C	246
Pour Point, °C	-9
Sulfated ash, % wt	0.14
Total Base Number (TBN), mg KOH/g	0.6

MESRANIA 2T OB SAE 30□ MINYAK LUMAS BENSIN DUA LANGKAH**TYPICAL CHARACTERISTIC****KARAKTERISTIK TIPIKAL**

Characteristics	Test Result Typical
Specific density, 15 °C	0.8775
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	76,71 10.03
Viscosity Index	112
Colour ASTM	RED
Flash Point (COC), °C	160
Pour Point, °C	-15
Sulfated ash, % wt	0.045
Total Base Number (TBN), mg KOH/g	0.59

MESRANIA 2T SUPER X SAE 20 MINYAK LUMAS BENSIN DUA LANGKAH**TYPICAL CHARACTERISTIC****KARAKTERISTIK TIPIKAL**

Characteristics	Test Result Typical
Specific density, 15 °C	0.8754
Viscosity Kinematic, at 40 °C, cSt at 100 °C, cSt	29.91 5.73
Viscosity Index	136
Colour ASTM	L6.5
Flash Point (COC), °C	66
Pour Point, °C	-40
Total Base Number (TBN), mg KOH/g	3.91

MESRANIA 2T SUPER SAE 20 \square MINYAK LUMAS BENSIN DUA LANGKAH

TYPICAL CHARACTERISTIC

KARAKTERISTIK TIPIKAL

Characteristics	Test Result Typical
Specific density, 15 °C	0.8799
Viscosity Kinematic, at 40 °C, cSt	44.17
at 100 °C, cSt	7.61
Viscosity Index	140
Colour ASTM	Dark Blue
Flash Point (COC), °C	81
Pour Point, °C	-30
Sulfated ash, % wt	0.02
Total Base Number (TBN), mg KOH/g	6.30



PERTAMINA
LUBRICANTS