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## Base oil N-500 (Group II)

Group II are hydro-cracked base oils. They are produced by undergoing hydro-processing which increases the level of saturates and purges out impurities. They have fair to good performance in lubricating properties such as volatility, oxidative stability and flash/fire points. They have only fair performance in areas such as pour point, cold crank viscosity and extreme pressure wear. They are defined as having a viscosity index between 80 and 120 while having a level of sulphur lower than 0.03% and are less polar with values less than 10 pS/m very low conductivity

### Applications

- 1) Transformer oil, ink oil
- 2) Marine oil
- 3) Industrial gear oil
- 4) Automatic transmission fluid
- 5) White oil, process oil
- 6) Gear oil, Axle oil

Parameter	Unit	Test Method	Value
Color	-	ASTM D 1500	L 0.5 Max
Density at 15°C	(kg/L)	ASTMD 4052	0.85-0.88
Kinematic Viscosity at 100°C	(cSt)	ASTMD 445	11-12
Kinematic Viscosity at 40°C	(cSt)	ASTMD 445	90 - 95
Viscosity Index	-	ASTM D2270	105 Min
Pour Point	(°C)	ASTM D 5949	-15 to -25
Flash Point	(°C)	ASTM D 92	240 Min
Water Content	PPM	ASTM D 6304	30
Sulphur	Wt%	ASTMD 5453	0.001 Max
Saturates	Wt%	ASTM D 7419	99.9 Min
Aromatics	Wt%	ASTM D 7419	1 Max
Appearance	Visual	...	Clear and Bright
Noack Volatility	Wt%	ASTM D 5800	10.6

### Advantages

- 1) Better oxidation control and Improved NOACK stability
- 2) Enhanced viscosity control and Better base number retention
- 3) Priced very close to Group I oils
- 4) Reduces wear on engine components
- 5) Results in an extended range before changing lubricants

Accredited: ISO9001:2015 | ISO 14001:2015 | ISO45001:2018