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Base oil N-150 (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	0.5 Max
Density at 15°C	(kg/L)	ASTMD 4052	0.82-0.88
Kinematic Viscosity at 100°C	(cSt)	ASTMD 445	2.7-3.3
Kinematic Viscosity at 40°C	(cSt)	ASTMD 445	10
Viscosity Index	(typical value)	ASTM D2270	100 Min
Pour Point	(°C)	ASTM D 97	-35Min
Flash Point	(°C)	ASTM D 92	200 Min
Water Content	PPM	ASTM D 6304-142	<50
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	14.5

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