

STANDARD SPECIFICATIONS OF VIRGIN BASE OIL SN – 150

Virgin Base Oil SN–150 is a base oil categorized in group I. It is the common quality base oil product of ATDM. It is used in different applications such as in the manufacturing of products like lubricating greases, motor oil and metal processing fluid as well as many other applications. One of the most important criteria is the viscosity at various temperatures. Whether or not a crude oil is suitable to be made into a base oil is determined by the concentration of base oil molecules as well as how easily these can be extracted.

Virgin Base Oil is also used in different oil applications like; Engine oil, Motor oil, Hydraulic oil, Gear oil, etc.

Standard Specification of Virgin Base Oil SN – 150:

S.N.	Property	Unit	Test Method	Typical Result
1.	Color	–	ASTM D – 1500	3.5
2.	Kinematic Viscosity @ 100 °C	Mm ² /s (cst)	ASTM D – 445	30
3.	Viscosity Index	–	ASTM D – 2270	Min 95
4.	Flash Point (COC)	°C	ASTM D – 92	308
5.	Pour Point (COC)	°C	ASTM D – 97	– 6
6.	Carbon Residue (Conradson)	wt%	ASTM D – 189	0.06
7.	Total Acid No.	mgKOH/g	ASTM D – 664	0.05
8.	Demulsibility	–	ASTM D – 1401	–
9.	Sulfur Content	–	ASTM D – 1552	0.7
10.	Density @ 15	°C	ASTM D – 4052	0.875
11.	Copper Corrosion (3hrs @ 100)	°C	ASTM D – 130	1A
12.	Foam	ml	ASTM D – 892	–
13.	Appearance	–	ASTM D – 1524	Bright & Clear

