

NexLube Base Oil

Base oils are categorized by quality of the oil. Group II base oils are more refined than Group I and offer better performance in regard to lubricating properties such as volatility, oxidative stability and flash/fire points. They also have better performance in areas such as pour point, cold crank viscosity and extreme pressure wear. Group II is the primary base oil required for most automotive lubricants.

NexLube will produce high-end Group II base oil, with **greater than 99% saturate level**, a viscosity index of 106-107, high oxidation stability, low evaporation, very low sulfur and extremely low aromatic content. Its base oil meets all standards for passenger car motor oil including the new ILSAC GF-5 and API CJ-4 diesel standards.

Base oil can be delivered by tanker trucks, bulk rail-car, and barge.

Specifications:

Specification	Units	Test Method	Base Oils Group II (*)		
			85N	150N	330N
Color	ASTM	D1500	< 0.5	< 0.5	< 1
SPGR	15/15		0.8523	0.8533	0.858
Sulfur, wtppm	wtppm	D5453	< 300	< 300	< 300
Nitrogen	wtppm	D5332	< 10	< 20	< 50
Viscosity @ 40 C	cSt	D445	16.5	30.6	55.2
Viscosity @ 100 C	cSt	D445	3.6	5.3	7.8
Viscosity Index		D2270	101	106	107
Flash Pt / Noack (est)	F/wt%	D5800	30	10	7
IBP	F	D1160	640	650	660
5% Boiling Pt	F	D1160	685	735	825
50% Boiling Pt	F	D1160	750	824	905
95% Boiling Pt	F	D1160	820	900	985
Aromatic Carbon	mol%	IP451	< 1.7	< 1.7	< 1.7
Unsaturates, Clay Gel	wt%	D2007	< 10	< 10	< 10
Polynuclear Aromatics	wt%	IP346	< 1	< 1	< 1

(*) Expected product specifications

Consult the Material Safety Data Sheet (MSDS) for safety and handling information. To obtain the MSDS sheet, please contact NexLube.