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Base oil 4cSt (Group III)

Group III base oils are highly refined Hydrocracked Oils. They are produced by iso-dewaxing process that provides very low sulfur and aromatic compound levels. These Oils are labeled as partly synthetic and even as synthetic lubricants in some countries. However they contain no chemical produced components and have more than 90 percent saturates.

Viscosity Index of Group III base oils is more than 120. Since they contain very few aromatics and thus have poor additive solubility. They are used as bases for engine oils and modern industry lubricants and bear conductivity that is virtually non-polar, having values less than 10 pS/m. Group III base oils offer good performance in wide range of attributes as well as good molecular uniformity and stability. They are commonly mixed with additives and sold as synthetic or semi-synthetic products.

Parameters	Unit	Test Method	Result
Appearance	Room Temp	Visual	B & C
API @60°C	°C	ASTM D-1298	37.7
Specific Gravity @15/4°C	°C	ASTM D-1298	0.836
Color, Saybolt	-	ASTM D-156	30
Kinematic Viscosity @40°C	cSt	ASTM D-445	19.64
Kinematic Viscosity @100°C	cSt	ASTM D-445	4.250
Viscosity Index	-	ASTM D-2270	123
Pour Point,	°C	ASTM D-97	-20
Flash Point, COC	°C	ASTM D-92	220
Sulfur	ppm	ASTM D-129	L1.0
Copper Corrosion	a	ASTM D-130	1a
Total Acid No.	mg KOH/g	ASTM D-974	L0.01
Con. Carbon Residue	wt%	ASTM D-189	L0.01
Noack Volatility	wt%	ASTM D-5800	14.2
CCS Viscosity @-25°C	cP	ASTM D-5293	1

Uses & Application

- 1) Textile and cutting oils
- 2) Lubricant formulations for turbines
- 3) Engines, heat pumps and exchangers and Hydraulic fluids
- 4) Blending component for improve Viscosity Index of other base oils
- 5) Additive to various Industrial and automotive lubricants

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