



GROUP IV BASE OILS

PRODUCT DESCRIPTION:

Group IV polyalphaolefins are widely used in both automotive and industrial lubricants due to their exceptional performance characteristics. These base oils offer excellent protection at high temperatures and maintain superior fluidity in cold conditions, thanks to their high viscosity index (VI). They also exhibit outstanding shear stability, low volatility, and strong resistance to oxidation. These attributes make Group IV base oils ideal for use in extreme environments, such as during cold starts or under high thermal stress. Additionally, they are colorless, odorless, non-toxic, non-corrosive, and free from sulfur, nitrogen, and aromatic compounds. Group IV oils are also versatile, as they can be blended with other synthetic base stocks and are compatible with synthetic esters and alkylated naphthalene.

PROPERTIES	TEST METHOD	PAO 2	PAO 4	PAO 5	PAO 6	PAO 8	PAO 10	PAO 40	PAO 100
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Kinematic Viscosity @212/100,cSt	ASTM D-7042	1.6 – 2	4.0 – 4.2	4.5-5.6	5.7 - 6	7.8 - 8.2	9.0-10.5	38.0-42.0	97.0-107.0
Kinematic Viscosity@104/40,cSt	ASTM D-7042	report	report	report	report	report	report	report	report
Viscosity Index	ASTM D-2270	-	>120	>120	>120	>120	>125	>125	>130
SP. Gravity @ 15/60,g/3	ASTM D-4052	report	Report	report	report	report	report	report	report
Flash Point	ASTM D-92	>150	>216	min 240	>230	>240	min 240	min 250	min 260
Pour Point	ASTM-D97	max (-)51	max (-)51	max (-48)	max (-)51	max (-)42	max (-42)	max (-39)	max (-24)
Color	ASTM D-1500	L 0.5	L 0.5	max L 0.5	L 0.5	L 0.5	max L 0.5	max L 0.5	max L 0.5
CCS Viscosity, mPa.s	ASTM D-5293	-	<2000 at (-)35	-	<3000 at (-)30	<5500 at (-)30	-	-	-
Total Acid Number, mgKOH/g	ASTM D-664	<0.05	<0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05
Noack Volatility, wt.%	ASTM D-5800(B)	-	<15	<6.0	<7	<5	<4.0	<3.0	<2.0

DISCLAIMER: The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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