



## GROUP II BASE OILS

### PRODUCT DESCRIPTION:

These premium group II base oils have exceptional oxidation stability, low volatility for a given viscosity grade and are virtually sulfur-free which makes them an excellent alternative for blending high performance, Low SAPS automotive engine oils, as well as process and industrial oils.

### TYPICAL PROPERTIES:

TEST	METHOD	N100	N150	N230	N600
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Kinematic Viscosity @ 212°F /100°C, cSt	ASTM D-7042	4 – 4.5	5 – 5.6	6.2 – 7	11.5 – 12.8
Kinematic Viscosity @ 104°F /40°C, cSt	ASTM D-7042	report	report	report	report
Viscosity Index	ASTM D-2270	min 100	min 95	min 95	min 95
SP. Gravity @15°C/ 60°F, g/cm3	ASTM D-4052	report	report	report	report
Flash Point (min), °C	ASTM D-92	min 200	min 210	min 220	min 240
Pour Point (max), °C	ASTM D-97	max (-)9	max (-)9	max (-)9	max (-)9
Color	ASTM D-1500	max L0.5	max L0.5	max L0.5	max L0.5
Water, ppm	ASTM D 6304	<60	<60	<60	<60
Saturates, wt. %	HPLC	>99	>99	>99	>99
Aromatics, wt. %	HPLC	<1	<1	<1	<1
NOACK VOLATILITY ,wt.%	ASTM D5800	<20	<16	<12	<5
COLD CRANKING VISCOSITY, mPa.s	ASTM D5293	<3000 at (-) 30 °C	<2000 at (-) 15 °C	<3500 at (-) 20 °C	<5500 at (-) 10 °C

### 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.