

## Base Oils

The lubricant bases marketed by MOEVE are Group I base oils produced at the San Roque Energy Park from a single type of crude oil, which gives these bases a consistent level of quality. They are paraffinic and contain a low percentage of aromatic products (PCA <3%). Their main use is as raw material in the production of lubricant oils.

### > Use

- The main use of these bases is in the production of lubricant oils for industry and the marine and automotive sectors, as well as other special applications.

### > Benefits

- In bulk

### > Physical and chemical properties

Parameter	Units	Method	Base 150	Base 600	Base BS
Density at 15°C	Kg/l	ASTM D 4052	0.8721	0.8905	0.9065
Appearance	-	Visual	Clear and bright	Clear and bright	Clear and bright
Viscosity at 40°C	cSt	ASTM D 445	28-32	109-125	490.43
Viscosity at 100°C	cSt	ASTM D 445	5.27	11.99	30-33
Viscosity Index	-	ASTM D 2270	>102	>95	>95
Pour Point	°C	ASTM D 5949/5950	<-15	<-6	<-6
Flash Point V/A	°C	ASTM D 92	>210	>265	>282
ASTM Color	-	ASTM D 1500	<1	<2	<5
Micro Carbon Residue	% Weight	ASTM D 4530	<0.05	<0.15	<0.8
Sulfur	% Weight	ASTM D 4294	0.76	1.14	1.45
Volatility (Noack) at 250°C	(m/m)	CEC L-40-A-93	<14	-	-
Acid Number	(mg. KOH/g.)	ASTM D 664	<0.05	<0.05	0.04
Humidity from crepitation	-	Internal	No crepitation	No crepitation	No crepitation
Ash content	% (m/m)	ASTM D 482	<0.001	<0.001	<0.001
Water content (Karl-Fischer)	ppm	ASTM D 6304	104	120	96

### > Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.