

SN LUBRICANT BASE OILS

BASE OILS

Description

The lubricant base oils sold by RLESA under the SN classification are GI base oils produced at our refineries in Puertollano and Cartagena. They are non-labelled products that are mainly used as the primary raw material in formulating lubricating oils for industry in general. They are paraffinic, with low polycyclic aromatic content (<3% PCA content). These base oils are obtained by direct distillation of highly paraffinic crude or by extraction with propane of the vacuum residue obtained with this type of crude. These products, supported in suitable conditions of storage, in sealed containers and preserved from the water and other agents, does not suffer degradation. Nevertheless, from the commercial point of view, we can indicate that the shelf life is four years from the date of manufacture.

Applications

The main field of application for these base oils is the formulation of lubricating oils for automobiles, industry, maritime use, greases and other special applications. The wide range of viscosity levels of the SN series means it can cover all the most common lubrication needs of these applications. These base oils can also be used for the production of white oils and as a fluidifier in asphalt production.

Presentation

Bulk

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Technical Characteristics

	UNIT	METHOD	SN 80	SN 90	SN 100	SN 145	SN 150	SN 220	SN 300
Density at 15°C	g/ml	ASTM D128	0.865	0.855	0.87	0.865	0.875	0.875	0.89
Viscosity at 100°C	cSt	ASTM D445	3.3	2.75	4.2	5.0	5.2	6.4	8.2
Viscosity at 40°C	cSt	ASTM D445	13	10.8	> 20.5	28	32	43	62
Viscosity index	--	ASTM D2007	> 95	90	> 95	100	> 98	> 95	> 95
Flash point	°C	ASTM D92	> 180	175	> 185	> 190	> 200	> 210	> 225
Colour	-	ASTM D1500	< 1	< 0.5	< 1.5	< 1	< 1.5	< 1.5	< 2.5
Sulphur	%p	ASTM D 4294	0.7	0.2	0.9	0.4	0.9	0.4	1.0
Pour point	°C	ASTM D97	-9 máx.	-26	-9 máx.	-14 máx.	-9 máx.	-14 máx.	-9 máx.
	UNIT	METHOD	SN 500	SN 500E	SN 500D	BS 150	BS 160	BS 170	
Density at 15°C	g/ml	ASTM D128	0.885	0.885	0.890	0.91	0.91	0.91	
Viscosity at 100°C	cSt	ASTM D445	11.0	11.0	12.0	32.0	32.0	37.0	
Viscosity at 40°C	cSt	ASTM D445	98	98	115	490	525	621	
Viscosity index	--	ASTM D2007	> 95	> 95	> 95	> 93	> 95	> 95	
Flash point	°C	ASTM D92	> 230	> 230	> 230	> 280	> 280	> 290	
Colour	-	ASTM D1500	< 3.0	< 3.5	< 3.5	< 5.5	< 4.5	< 5	
Sulphur	%p	ASTM D 4294	0.4	1.1	1.2	1.2	0.8	1.3	
Pour point	°C	ASTM D97	-9 máx.	-9 máx.	-9 máx.	-6 máx.	-9 máx.	-9 máx.	

Unless otherwise indicated, the values presented in the technical data should be considered as typical values.