

SN LUBRICANT BASE OILS



Specialities

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.

Specifications

	UNIT	METHOD	SN 80	SN 90	SN 100	SN 145	SN 150	SN 220	SN 300	SN 500	SN 500D	BS 160	BS 170
Density at 15°C	g/ml	ASTM D128	0.865	0.865	0.87	0.865	0.875	0.875	0.89	0.885	0.890	0,91	0,91
Viscosity at 100°C	cSt	ASTM D445	3.3	3.5	4.2	4.9	5.2	6.4	8.2	11.0	12.0	33.0	37.0
Viscosity at 40°C	cSt	ASTM D445	--	11,5	>20,5	27	32	43	62	98	115	525	621
Viscosity Index	-	ASTM D2007	>95	>90	>95	>100	>98	>95	>95	>95	>95	>95	>95
Flashpoint	°C	ASTM D92	> 180	> 160	> 185	> 190	> 200	> 210	> 225	> 230	> 230	>280	>290
Colour	-	ASTM D1500	< 1	< 0,5	< 1.5	1.0	< 1.5	<1.5	< 2.5	< 3.0	< 3.5	<4,5	<5
Aniline point	°C	ASTM D611	92	92	92	97	94	96	96	103	103	110	108
Sulphur	%w	ASTM D 4294	0.7	0.3	0.9	0.4	0.9	0.4	1.0	0.4	1.2	0,8	1,3
Freezing point	°C	ASTM D97	-9 máx.	-26 máx.	-9 máx.	-14 max	-9 máx.	-14 máx.	-9 max	-9 máx.	-9 máx.	-9 max	-9 max

Presentation

Bulk

Unless indicated otherwise, the values of this technical datasheet must be considered as typical values

Specialized products technical datasheet. Review 6. Dec 2017