



Energyn LPS 68

Synthetic Refrigeration Compressor Lubricant

Description; Description

Energyn LPS 68 is formulated from blended alkylated benzene synthetic base stocks, and incorporates

additives that improve oxidation stability when used in air compressors.

Applications; Applications

Energyn LPS 68 possess physical and chemical properties that are highly suited to modern refrigeration equipment. It is recommended for reciprocating and rotary screw compressors employed in industrial refrigeration systems. It is superior to conventional mineral oil refrigerator lubricants where evaporation temperatures are low (from -60 °C down to -100 °C) and where the refrigerants

are of the critical fluorocarbon type (R13, R22 and R502). It is also the preferred lubricant for ammonia compressors. Because Energyn LPS 68 has low carbon forming tendencies, it is suitable for air compressors operating with high discharge air temperatures, thereby reducing the risk of fires and explosions.

Main Benefits; Main Benefits

- Excellent chemical stability : resists reaction with refrigerants.
- High thermal stability, for long life.
- Completely miscible with oils, in any proportion

- Exceptionally low moisture content : high dielectric strength.
- Low floc point : withstands low evaporation temperatures without wax precipitation.

Storage; Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration
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of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.; of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety and Environment; Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.; Health, safety and environmental

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Typical Characteristics; Typical Characteristics

	Test Methods; Test Methods	Units; Units	Grade ; Grade :
			Energyn LPS
			68
Density at 15 °C	ISO 3675, ASTM D1298	kg/m3	866
Flash Point (PMC)	ISO 2719, ASTM D93	°C	161
Viscosity KV @ 40 °C	ISO 3104, ASTM D445	mm ² /s	67.3
100 °C			6.75
Viscosity Index	ISO 2909, ASTM D2270		19
Pour Point	ISO 3016, ASTM D97	°C	-27
Appearance	Light-coloured fluids		
Neutralisation Value	ASTM D664	mgKOH/g	0.04
Floc Point (Freon 12)		°C	-80
Ramsbottom Carbon Residue	ISO 4262, ASTM D524	%wt	0.09

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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BP Lubricants and Special Products Limited
Witan Gate House Lubricants Helpline: 0845 - 6031080
500/600 Witan Gate Fax: 0845 - 6031070
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500/600 Witan Gate Fax: 0845 - 6031070
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