



Aircol™ LPT

Refrigeration Compressor Oil

Description

The Castrol Aircol™ LPT Range (previously called Energol™ LPT) are refrigeration compressor lubricants formulated from highly refined naphthenic base oils for use in both large and industrial and small domestic refrigeration units.

Application

The Aircol LPT range is formulated to function as lubricants and coolants, as well as sealants in refrigerating compressors.

They maintain good lubrication properties at the high temperatures reached during the compression phase and good fluidity at the low temperatures within the evaporators. Excellent lubrication of the moving parts in the compressor as well as recycling of the oil, entrained into the system by the refrigerant, are therefore ensured.

The chemical stability of the Aircol LPT oils prevents them from reacting with the refrigerants used in refrigeration systems to form potentially disruptive breakdown products. All Aircol LPT grades are suitable for use in systems using Ammonia (NH₃) or halogenated hydrocarbons. They can also be used where good low temperature flow properties are required in the lubricant.

Advantages

The Aircol LPT Range oils ensure long and trouble-free operation of refrigeration systems through a combination of:

- High thermal and chemical stability.
- Good temperature / viscosity behaviour.
- Good low temperature flow properties.

Typical Characteristics

Name	Method	Unit	LPT 32	LPT 46	LPT 68
Colour	ISO 2049 / ASTM D1500	-	1.0	1.0	1.0
Density @ 15°C / 59°F	ISO 3675 / ASTM D1298	kg/m ³	890	896	900
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	32	45	69
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	5.0	5.8	7.3
Pour Point	ISO 3016 / ASTM D97	°C/°F	-45/-39	-39/-38	-36/-33
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	165/329	180/356	185/365
Acid Number	ISO 6618 / ASTM D974	mgKOH/g	0.01	0.01	0.01

Subject to usual manufacturing tolerances.

User Advice

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

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 of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

This product was previously called Energol LPT. The name was changed in 2015.

Aircol™ LPT
29 May 2015

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

www.castrol.com/industrial