



## Product Data

# BP Energol JS-A

Transformer Oil

## Description

A pure mineral hydrocarbon oil specially refined and blended from selected crude oils to comfortably surpass the limiting values of the international specifications IEC 296/1982 (Classes 1 and 2).

## Application

For use as a transformer, switchgear and circuit breaker oil which conforms to the international specification IEC 296/ 1982 (Classes 1 and 2).

## Advantages

- High dielectric strength and low power-loss,
- High oxidation resistance,
- Low sludge formation,
- Excellent cooling properties,
- High purity and high flashpoint.

## Typical Characteristics

Test	Method	Unit	Value
Colour	ASTM D1500		<0.5
Density	ISO 3675 / ASTM D92	kg/m <sup>3</sup>	885
Pour Point	ISO 3016 / ASTM D97	°C	-57
Flash Point	ASTM D93	°C	146
Kinematic Viscosity 40°C -15°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	11 400
Neutralisation Value	ASTM D664	mgKOH/g	0.01
Corrosive Sulphur	ASTM D1275		Nil
Anti Oxidant Additive No	IEC 156	KV	>60
Breakdown Volt. (new dry oil)			
Dissipation F. at 90°C, 50 Hz	IEC 247		0.0006
Oxidation Stability: IEC 74 Neutralisation Value		mgKOH/g	0.5
Sludge Value		%wt	0.05
Loss Tangent at 90°C			0.0006
Gassing Tendency		mm <sup>3</sup> /min	+3

## 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.



**WWW.CABLEJOINTS.CO.UK**  
**THORNE & DERRICK UK**  
**TEL 0044 191 490 1547 FAX 0044 477 5371**  
**TEL 0044 117 977 4647 FAX 0044 977 5582**

BP, Energol JS-A, and the BP logo are trademarks of BP p.l.c, 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.

BP Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK  
[www.castrol.com/industrial](http://www.castrol.com/industrial)  
[www.castrol.com/industrial](http://www.castrol.com/industrial)