



BP Energol HL-XP 32

Special EP Hydraulic Oil

Product Data

Description

BP Energol HL-XP 32 has been developed specifically for hydrokinetic transmission units with integral reduction gears.

Application

Energol HL-XP 32 is formulated for hydrokinetic transmissions used mainly in railway locomotives. Other applications include trucks and heavy off-highway equipment incorporating this type of transmission unit. The oil is also suitable for conventional industrial gearboxes where a low viscosity oil is suitable.

This oil provides higher load carrying performance compared to conventional antiwear hydraulic fluids, together with excellent oxidation resistance, anti-corrosion and minimal foaming.

Energol HL-XP 32 is fully compatible with nitrile, silicone and fluropolymer seal materials.

Energol HL-XP 32 meets the requirements of:
Voith Turbo
Deutsche Bahn

Advantages

- Superior extreme pressure and load carrying properties reduces wear and downtime from unscheduled maintenance.
- Excellent protection against corrosion results in less maintenance.
- Rapid air release and low foaming tendency prevents foaming and gear damage.
- Superior thermal stability means less risk of deposits in gearbox.

Additional Information

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.

Energol HL-XP 32 is classified as non hazardous according to the criteria of Work Safe Australia. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

Energol HL-XP 32 is classified as a C2 combustible liquid for storage and handling purposes. Store in a cool, dry, well-ventilated area out of direct sunlight. Avoid sparks, flames and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

Spillage: SMALL - 20 LITRES OR LESS
Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility.

LARGE - GREATER THAN 20 LITRES
Contain as soon as possible, remove by best means available and arrange recycling (preferred) or disposal through an approved facility.



Typical Characteristics

Test	Method	Units	32
Density @ 15°C	ISO 12185 / ASTM D4052	g/ml	0.87
K.V. @ -17.8°C	ISO 3104 / ASTM D445	mm ² /s	1500
K.V. @ 40°C	ISO 3104 / ASTM D445	mm ² /s	32
K.V. @ 50°C	ISO 3104 / ASTM D445	mm ² /s	22
K.V. @ 100°C	ISO 3104 / ASTM D445	mm ² /s	5.7
Viscosity Index	ISO 2909 / ASTM 2270	-	103
Pour Point	ISO 3018 / ASTM D97	°C	-36
Flash Point, PMC	ISO 2719 / ASTM D93	°C	200
Foam Sequence I	ISO 6247 / ASTM D892	mls/mls	10/0

BP, Energol HL-XP 32 and the BP logo are trademarks of BP used under license.

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. See www.msds.bp.com.au. 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 Australia Pty Limited, AIME, GPO Box 5222, Melbourne VIC 3001
Technical Advice Line 1300 139 700 / Customer Service 1300 1300 27
www.bp.com.au