



Energyn RX-100

Synthetic Reciprocating Air Compressor Lubricant

Description; Description

Energyn RX 100 is a high performance, diester based synthetic lubricant (ISO-VG 100) for use in reciprocating

air compressors.

Applications; Applications

Energyn RX 100 is specifically recommended for the crankcase and cylinder lubrication of high pressure reciprocating air compressors operating at elevated temperatures.

At the initial change to the use of Energyn RX 100, the compressor lubrication system should be completely drained and cleaned before filling with RX 100. The solvency properties of Energyn RX 100 will remove carbon deposits which may be present on compressor valves, inter/after stage aircoolers and passages. To ensure safe and trouble-free compressor operation using RX 100,

an inspection should be undertaken prior to its initial use and any accumulated deposits removed as necessary.

Oil and air filters should be inspected and cleaned prior to the use of RX 100 and subsequently, periodic inspections should be conducted on a routine basis.

Due attention should be given to ensure that the compressor crankcase paint and seal materials incorporated in the entire system are suitable for use with the synthetic base stocks from which RX 100 is blended.

Main Benefits; Main Benefits

- Low deposit forming tendencies on compressor valves, air intermediate and after coolers.
- Extended maintenance period.

- Increased safety factor due to higher auto-ignition temperature.

- Low volatility and good oxidation performance result in low lubricant consumption and extended service life.

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

; 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.;

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

BP Lubricants and Special Products Ltd. or its subsidiaries will not accept liability if the product is

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 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.

used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office.; BP Lubricants and Special Products Ltd. or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office.

Typical Characteristics; Typical Characteristics

	Test Methods; Test Methods	Units; Units	Grade :; Grade :
			100
Density at 15 °C	ISO 3675, ASTM D1298	kg/m ³	950
Flash Point (PMC)	ISO 2719, ASTM D93	°C	234
Kinematic Viscosity at : 40 °C	ISO 3104, ASTM D445	mm ² /s	95
at 100 °C		mm ² /s	9.2
Viscosity Index	ISO 2909, ASTM D2270		60
Pour Point	ISO 3016, ASTM D97	°C	-34
Foam tendency/stability : Sequence I : 24 °C	ASTM D892	ml	30/nil
Sequence II : 93.5 °C			30/nil
Sequence III : 24 °C after 93.5 °C			30/nil

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

This Data Sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication.; This Data Sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication.

It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. No statement made in this publication shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence.; It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. No statement made in this publication shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence.

The Seller shall not be responsible for any loss or damage resulting from any hazards or risks identified in the data sheet and which are associated with petroleum products concerned (provided that this disclaimer shall not affect any statutory rights of the Buyer of the petroleum products concerned).; The Seller shall not be responsible for any loss or damage resulting from any hazards or risks identified in the data sheet and which are associated with petroleum products concerned (provided that this disclaimer shall not affect any statutory rights of the Buyer of the petroleum products concerned).

BP Lubricants and Special Products Limited
Witan Gate House Lubricants Helpline: 0845 - 6031080
500/600 Witan Gate Fax: 0845 - 6031070
MILTON KEYNES
MK9 1ES © BP Oil UK Ltd.; BP Lubricants and Special Products Limited
Witan Gate House Lubricants Helpline: 0845 - 6031080
500/600 Witan Gate Fax: 0845 - 6031070
MILTON KEYNES
MK9 1ES © BP Oil UK Ltd.

Date Created: 05/05/1993 10:10:21 Last Modified: 04/10/2005