



Enersyn RX 100

Synthetic Reciprocating Air Compressor Lubricant

Applications

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

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

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
- Approved by or meets the specification requirements of major air reciprocating air compressor manufacturers
- Exceeds requirements of DIN 51506 for ISO 100 oil

Care and Handling

At the initial change to the use of Enersyn RX 100, the compressor lubrication system should be completely drained and cleaned before filling with RX 100. The solvency properties of Enersyn RX 100 will remove carbon deposits which may be present on compressor valves, inter/after stage air coolers 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.

NOTE: If this product is used to lubricate compressors providing air for breathing, it is ESSENTIAL to ensure that air filters are fitted which are capable of maintaining mist levels below the recommended exposure limits.

Storage

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of package

markings. Products should not be stored above 60° C.

Health, Safety and Environment

Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting the BP Lubricants and Fuels Technical Helpline on 1300 139 700. BP Australia, 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 or Lubricants and Fuels Technical Helpline.

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Typical Characteristics

Grade:	Enersyn RX 100			
Product Code:	215090			
	Test Method	Units		
Density at 15 °C	ASTM D1298	kg/L	0.950	
Flash Point (PMC)	ASTM D93	°C	234	
Kinematic Viscosity				
@ 40 °C	ASTM D445	cSt	95	
@ 100 °C	ASTM D445	cSt	9.2	
Viscosity Index	ASTM D2270	-	60	
Pour Point	ASTM D97	°C	-34	
Foam Tendency/stability :	ASTM D892			
Sequence I		mL/mL	30/nil	
Sequence II		mL/mL	30/nil	
Sequence III		mL/mL	30/nil	
Rotary Bomb Oxidation	IP 229	min	1100	

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

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