

PETRONAS PRESSOL SYN RS SERIES

Synthetic Food Grade Compressor Lubricants

PRESSOL SYN RS Series are high quality non-toxic synthetic compressor lubricants. These series are based on synthetic hydrocarbons (PAO), formulated with FDA approved ingredients only and approved by the USDA for applications where incidental food contact may occur.

PRESSOL SYN RS series meet USDA H1 approval with NSF International for use in food and beverages processing plant applications.

Applications

- PRESSOL SYN RS series are recommended for all types of compressors where incidental food contact may occur with oil in the discharge air.
- PRESSOL SYN RS series are available in viscosity range from ISO VG 32 to 150, make it an ideal lubricant for many applications in the food processing industries. For example: chains, hydraulic, pumps, gear-motor and bearings.
- May also be considered for other applications requiring an oxidation resistant lubricant.
- Nominal operating Range is -37°C to 180°C

Compatibility

PRESSOL SYN RS series are compatible to mineral oil and is similar to mineral oils in their compatibility with paints, seals, gaskets and hoses.

No special precautions related to compatibility required when changing over from a mineral oil lubricant to a PRESSOL SYN RS synthetic hydrocarbon based lubricant.

Packaging

- 18 Liters pail, and 209 Liters drum

Customer Advice

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional Technical Services Engineer or contact HQ Technical Engineers.

Customer Benefits

- Non-toxic
- Less compressor maintenance
- Excellent oxidation resistance
- Excellent anti-wear properties
- Fewer oil changes
- Lower oil consumption
- Reduced varnish lacquering and deposits
- Greatly reduced fire and explosion hazard
- Compatible with compressor seals, gaskets, hoses and air system components.

Specifications

PRESSOL SYN RS series meet USDA H1 approval where incidental food contact may occur and comprise FDA approved ingredients in accordance with CFR 178.3570.

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Typical Properties

Characteristics	Grade			
	IG-46	IG-68	IG-100	IG-150
Viscosity, cSt				
@40°C	47.8	67.7	96.4	142.0
@100°C	7.9	10.2	12.9	17.1
Specific Gravity @15.6 °C	0.83	0.83	0.84	0.84
Viscosity Index	135	136	131	130
Pour Point (max.), °C	-57	-55	-50	-46
Flash Point (min.), °C	240	240	240	260
Autoignition Temperature, °C	385	385	388	392
Evaporation, 22hrs, 99°C, %	<1	<1	<1	<1
Demulsibility, ml,				
Oil/water/emulsion (min)	40/38/2(10)	40/38/2(10)	40/38/2(10)	40/37/3(10)
Foaming tendency	NIL	NIL	NIL	NIL
Four Ball Wear Test, mm	0.35	0.35	0.35	0.33
Copper Corrosion	1a	1a	1a	1a

Approval/Certification

PRESSOL SYN RS synthetic lubricants are field tested, approved or recommended by most major compressor manufacturers. Should you have any questions regarding the suitability of PRESSOL SYN compressor lubricants for a specific manufacturer's model compressor, please contact PETRONAS DAGANGAN BERHAD.

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