

PETRONAS PRESSOL SYN RH SERIES

HCFC Compatible refrigeration Compressor Lubricants

PRESSOL SYN RH SERIES synthetic refrigeration compressor lubricants is the result of years of development in response to the demands of today's requirements for new ozone friendly refrigerants.

The Montreal Protocol of 1986 and the 1990 revision call for an end to the manufacture of many CFC refrigerants (which have been implicated in the depletion of the Earth's ozone layer). The replacements for these refrigerants are called HFC's which are as that replacement has been named by DuPont® as R-134a. In addition, all CFCs are expected to be phased out worldwide by the year 2012. Conventional refrigeration compressor lubricants now in use are not compatible with systems using R-134a due to its immiscibility.

The PRESSOL SYN RH SERIES is compatible not only with R-134a, but is also compatible with today's CFC - types as R-12 and R-22 as well as the blended HCFC refrigerants expected to come more into use during the transition period prior to total conversion.

Applications

- **PRESSOL SYN RH SERIES** lubricants are suitable for use in air conditioning and refrigeration systems presently using R-12 and R-22 type refrigerants as well as new units using or switching to R-134a.
- **PRESSOL SYN RH SERIES** lubricants may also be considered for those operators who wish to consolidate the number of lubricants in inventory.
- DuPont® lists the **PRESSOL SYN RH SERIES** on the list of lubricants approved for use with R-134a.

Packaging

- 18 Liters pails, and 209 Liters drums

Typical Properties

Characteristics	Grade			
	46	68	100	150
Viscosity@40°C, cSt	6.0	8.1	10.4	14.2
Viscosity@100°C, cSt	32.0	45.6	68.5	99.6
Viscosity Index	136	150	139	145
Total Acid Number	0.02	0.02	0.02	0.02
Flash Point, °C	240	252	248	244
Pour Point, °C	-60	-45	-54	-40
Density @25 °C, lbs/gal	8.69	8.73	8.79	8.86
Critical Solution Temp, °F				
R 12	<-70	<-70	<-70	<-70
R 22	<-70	<-70	<-70	<-70
HFC-134A	<-70	<-70	<-70	<-70
Dupont Suva HP 62	<-70	<-70	<-70	<-70
Falex Max Failure Load Steel on Steel, lbs.				
Shell 4-Ball Wear, Scar diam, mm ²	1500	1525	1550	1475
(Load: 20 kg, 1200 RPM, 225°F, 60 min.)	0.65	0.72	0.73	0.67
Hydrolytic Stability				
Vis. Change, %	0.00	0.02	0.02	0.02
Cu Wt, mg/cm ²	0.00	0.00	0.00	0.00
Insolubles, % wt	0.00	0.00	0.00	0.00

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.