

Designed to enhance performance.

COMPRESS-P

Piston Type Compressor Oil

Product Data Sheet

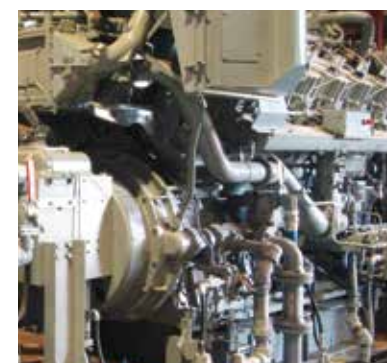
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Byco Compress-P is a hydro-treated premium tier compress oil, for piston air compressors. It is developed on a blend of selected solvent refined base oils and selective additives. The modern day design of piston compressors provide high delivery pressures under severe work conditions. Byco Compress-P oil has been specially designed for use in modern type of compressors where our lubricant demonstrates considerable performance improvement that is in the area of compressor cleanliness and wear protection.



Applications

- **Reciprocating Air Compressors**
Industrial reciprocating air compressors operating with air discharge temperatures of up to 220°C.
- **Breathing Air Compressors**
Byco Compress-P may be used in breathing air compressors, provided subsidiary clean-up apparatus is used to ensure that the air produced is fit for breathing.

Performance, Features & Benefits

- **Prolonged service intervals**
Allows the interval between valve and piston maintenance to be extended. Compressors can be kept in service for much longer periods, operating at a consistently high level of efficiency.
- **Safe airlines**
In discharge airlines, the combination of rust particles dispersed in carbonaceous deposits, coupled with heat from recently compressed air, can cause an exothermic reaction leading to the possibility of fires and explosion. Byco Compress-P helps to minimize the likelihood of this danger arising.
- **Very good oxidation resistance**
Resistance to the formation of carbon deposits and lacquer on valves and piston crowns, caused by the by-products of corrosion, such as ferric oxides and hydroxides, at high working temperature and pressures. Such deposits can cause serious damage, lower compress efficiency and increase maintenance costs.
- **Very good rusting and wear protection**
Effectively protects all metal surfaces from corrosion. Protects all sensitive machinery parts, e.g. housing, valves, bearings, from wear and prolongs the service intervals.
- **Very good air release and anti-foam properties**
The careful choice of additives ensures rapid air release without excessive foaming.
- **Very good water separation properties**
Byco Compress-P separates readily from water allowing excess water to be drained from the oil circulation system, thus preventing accelerated corrosion and a reduction in lubrication efficiency. This also helps separators and drier units.

Benefits

- **Good seal compatibility**
Byco Compress-P is compatible with all sealing materials commonly used in air compressors.
- **Low temperature performance**
For easy start-up at low temperature.
- **Yellow metal passivation**
Corrosion protection and longer component life.
- **Hydrolytic stability**
Prolongs oil life in moist condition.

Performance Level

ISO 6743-3A-DAH

Key Properties

ISO Viscosity Grade	68	100	150	Test Method
Performance Standard	VDL 68	VDL 100	VDL 150	-
Kinematic Viscosity mm ² /s@40°C	68	100	150	ASTM D-445
Kinematic Viscosity mm ² /s@100°C	7.8	9.2	12.1	ASTM D-445
Flash Point°C	235	235	240	ASTM D-92
Pour Point°C	- 30	- 33	- 30	ASTM D-97
Acid Number mg/KOH/g	0.3	0.3	0.3	ASTM D-974
Sulphated Ash Mass%	0.06	0.06	0.06	ASTM D-874
Rust Prevention (Steel)	Pass	Pass	Pass	ASTM D-665 B
Water Separability@54°C (minutes)	30	-	-	ASTM D-1401
@82°C (minutes)	-	20	20	ASTM D-1401

Note: The typical characteristics are given as a guide only and may vary according to latest production according to ISO.



ENVIRONMENTAL, HEALTH & SAFETY

Environmental, Health & Safety Information of this product is available in Byco Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and complying with the guidelines in consuming of the product, its use and disposal.