

Designed to enhance performance.

# COMPRESS-S

Screw Type Compressor Oil

**byco**

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Product Data Sheet

Byco Compress-S is a hydro-treated premium tier compressor oil for rotary sliding vane and screw air compressors. It is developed on a blend of selected solvent refined base oils and selective additives. The modern day design of rotary screw and vane compressors provide high delivery pressures under severe work conditions. Byco Compress-S 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

- **Rotary sliding vane air compressors**  
Oil flooded or oil injected, single or two-stage compressors, operating at pressure of up to 10 bar and with air discharge temperatures of up to 100°C.
- **Screw air compressors**  
Oil flooded or oil injected, single or two-stage compressors, operating at pressures of up to 20 bar and with air discharge temperatures of up to 100°C.

## Performance, Features & Benefits

- **Very good oil oxidation resistance**  
Resists formation of carbon deposits in sliding vane slots, enabling them to move freely. Also resists deposit formation on rotating components of screw compressors. As a consequence, high levels of compressor efficiency can be maintained for long period in both types of compressors.
- **Very good air release and anti-foam properties**  
The careful selection of base oils and additives provide rapid air release without excessive foaming to give trouble-free operation even under cycling conditions.
- **Very good rusting and wear protection**  
Effectively protects all metal surfaces from corrosion. Protects all sensitive machinery parts, e.g. gears, screws, bearings from wear and prolongs the service intervals.
- **Internal cleanliness**  
Coupled with the oil's long life capability is its ability to maintain internal surface cleanliness in service. This is important to maintain high levels of performance for the compressors and separator/coalesce.
- **Improved water shedding properties**  
Maintain performance when contaminated with water.

## Benefits

- **Good seal compatibility**  
For increased seal longevity and reduced leakages.
- **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.

## Key Properties

ISO Viscosity Grade	32	46	68	Test Method
Kinematic Viscosity				
mm <sup>2</sup> /s@40°C	32	46	68	ASTM D-445
mm <sup>2</sup> /s@100°C	5.4	6.7	9.0	ASTM D-445
Flash Point°C	205	210	215	ASTM D-92
Pour Point°C	- 30	- 30	- 30	ASTM D-97
Sulphated Ash Mass%	< 0.03	< 0.03	< 0.03	ASTM D-874
Water Separability@54°C (minutes)	15	20	20	ASTM D-1401
Density@15°C kg/m <sup>3</sup>	871	874	876	ASTM D-4052

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.