PRODUCT BULLETIN

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FAIRCOL A

GENERAL-PURPOSE OILS FOR RECIPROCATING AIR COMPRESSORS

The FAIRCOL A series is formulated with highly refined paraffinic base oils combined with carefully selected special additives. These "general-purpose oils for reciprocating air compressors" are suitable for compressing various gases, including air, hydrocarbon gases, and carbon dioxide. They are specifically designed to minimize carbonization that can occur at high temperatures and pressures in the discharge systems of air compressors.

● SPECIAL FEATURES

1. Excellent Heat Stability and Resistance to Carbonization

FAIRCOL A is formulated with highly refined base oils and carefully selected special additives that interact to provide excellent heat stability and resistance to carbonization. Even when compressors are exposed to high discharge temperatures, carbon adhesion on discharge valves and pipes is minimized, making maintenance and control of the compressors straightforward.

2. Excellent Oxidation Stability

FAIRCOL A is formulated to resist oxidation even when used for extended periods in the external parts of compressors, thanks to its special antioxidants. As a result, no sludge forms, and crankcases are kept consistently clean.

3. Superior Rust Prevention

FAIRCOL A is formulated with superior rust inhibitors that protect the interior of crankcases from rust formation.

4. Excellent Antifoaming Properties

FAIRCOL A possesses excellent antifoaming properties that effectively suppress foam formation even when agitated inside crankcases, ensuring safe and reliable lubrication.

5. Good Moisture Separation

FAIRCOL A provides good moisture separation properties. Even if water enters the crankcase, it can be easily separated by allowing the oil to settle.

● GRADES

The FAIRCOL A series includes five grades: 46, 68, 100, 150, and 220. These numbers indicate the approximate kinematic viscosity in mm^2/s at 40°C for each grade.

● APPLICATIONS

FAIRCOL A is intended for the internal and external lubrication of small and general-purpose compressors. It demonstrates its excellent performance especially with compressors that operate at high temperatures, where carbonization is likely to occur.

● CONTAINERS

Viscosity Grade	46	68	100	150	220
200-liter drum	レ	レ	レ	レ	レ
20-liter pail	レ	レ	レ	レ	
4-liter can (6 pieces)	レ	レ			

● TYPICAL PROPERTIES OF FAIRCOL A

ISO VG		46	68	100	150	220
Color(ASTM)		L1.0	L1.0	L1.0	L1.5	L2.5
Density(15 °C)	g/cm^3	0.879	0.878	0.885	0.889	0.893
Kinematic viscosity (40°C)	mm^2/s	46.50	65.32	100.8	153.6	222.5
Kinematic viscosity (100°C)	mm^2/s	6.874	8.616	11.27	15.04	19.20
Viscosity index		103	103	97	98	97
Flash point (COC)	°C	234	254	280	286	292
Pour point	°C	-12.5	-10.0	-10.0	-10.0	-10.0
Acid number	mgKOH/g	0.27	0.24	0.24	0.25	0.24
Copper strip corrosion (100°C, 3h)		1	1	1	1	1
Rust prevention (Distilled water, 60 °C, 24h)		No rust	No rust	No rust	No rust	No rust
Foaming (Seq. I)	ml/ml	0/0	0/0	0/0	0/0	0/0

Note: The typical properties may be changed without notice. (October 2025)

● Handling Precautions

- **For the handling of this product:** Please read the Safety Data Sheet (SDS) for this oil and the handling precautions listed on the product container carefully before use.
- **Regarding obtaining the SDS:** Please note that Safety Data Sheets (SDS) should be obtained via commercial channels and cannot be provided by the ENEOS Customer Center.
- The properties and performance listed are based on measurements and insights from our testing methods and do not guarantee accuracy or completeness. The typical properties may be changed without notice.