

Planetelf ACD

Synthetic polyolester oils for refrigerating compressors using HFC refrigerants

APPLICATIONS

- Compatible with all kinds of HFC refrigerants: R134a, R404A, R407C, R410A, R507, R23...
- Planetelf ACD 32, 46 and 68 are suitable for piston compressors.
- Planetelf ACD 68, 100FY, 150FY and 220FY are suitable for rotary compressors (screw or centrifugal).

SPECIFICATIONS

Conform with the following specifications:
ISO 6743-3 DRD
ISO 6521-3

ADVANTAGES

- ASHRAE thermal stability tests confirm the excellent behaviour of the lubricant at high temperature in presence of refrigerant, water, and metallic components.
- Neutral behaviour with the refrigerating equipment (Anti-rust, anti-corrosion properties with copper metals, compatibility with varnishes, elastomers and paints, high resistance to hydrolysis).
- Low dilution of refrigerant in oil for the high viscosity grades (Planetelf ACD FY range), for good lubricity and oil separation properties (low carryover).
- The good miscibility of the fluid viscosities of Planetelf ACD allows a good oil return property, especially in dry-ex equipment.

APPROVALS

Suitable for the refrigerating compressors of the constructors below:
AERZEN, BOCK FRASCOLD, GRAM, GRASSO, HOWDEN, MCQUAY, SABROE, SULZER, YORK...

For additional information, contact your local Totalenergies Lubricants representative or visit our web site: <https://lubricants.totalenergies.com>

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from <https://sdstotalms.total.com>

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Planetelf ACD					
			32	46	68	100FY	150FY	220FY
Density at 15°C	kg/m ³	ISO 3675	981	971	962	958	991	1019
Viscosity at 40°C	mm ² /s	ISO 3104	32	46	68	100	150	220
Viscosity at 100°C	mm ² /s	ISO 3104	6.0	7.5	9.1	11	15.5	20.8
Pour point	°C	ISO 3016	-54	-45	-39	-33	-33	-33
Flash point (COC)	°C	ISO 2592	250	250	250	268	264	264
Acid number	mgKOH/g	ASTM D 974	< 0.1	< 0.1	< 0.1	< 0.1	< 0.15	< 0.2
Water content	ppm	Karl Fischer	< 50	< 50	< 50	< 50	< 100	< 100

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