

PLANETELF ACD

DEFINITION

Synthetic Polyolester oils for refrigerating compressors using HFC refrigerants.

APPLICATIONS

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

PROPERTIES

- ASHRAE thermal stability test confirms the excellent behaviour of the lubricant at high temperature in presence of refrigerant, water, and metallic components.
- Neutral behaviour with the refrigerating equipments:
 - 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, for good lubricity and oil separation properties (low carry-over)
- The good miscibility of the fluid viscosities of **PLANETELF ACD** allows a good oil return property, specially in dry-ex equipments. Oil will not reduce then the efficiency of the heat exchangers.

CHARACTERISTICS

CHARACTERISTICS	UNITS	PLANETELF ACD					
		32	46	68	100FY	150FY	220FY
Density at 20°C, ISO 3675	kg/m ³	991	971	963	980	980	980
Kinematic viscosity at 40°C, ISO 3101	mm ² /s	34.6	48.6	69.5	101	150	220
Kinematic viscosity at 100°C, ISO 3101	mm ² /s	6.0	7.5	9.1	11	15.5	20.8
Pour Point, ISO 3116	°C	-54	-45	-39	-36	-33	-30
Flash point OC, ISO 2592	°C	250	250	250	268	264	264
Acid number, ASTM D 974	mgKOH/g	<0.1	<0.1	<0.1	<0.1	<0.15	<0.2
Water content, KARL FISHER	ppm	<50	<50	<50	<50	<100	<100

Characteristics of this chart are indicative typical values

APPROVALS

OEM's approvals: BOCK, GRASSO, HOWDEN, YORK.

HANDLING, HEALTH AND SAFETY

In normal conditions of use, this product presents no particular toxic hazard.

All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin.

Prevent any risk of splashing, and keep away from combustible materials.

Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available from your Lubmarine local representative.

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