



PRODUCT DATA SHEET

ADNOC Refrigeration Compressor Oil S

DESCRIPTION

ADNOC Refrigeration Compressor Oil S is a series of high-quality, synthetic hydrocarbon (alkylbenzene) lubricants. These lubricants do not contain any additives which can precipitate out at low temperatures or form tacky deposits.

APPLICATIONS

ADNOC Refrigeration Compressor Oil S is recommended as crankcase lubricant in reciprocating compressors and in oil-injected screw compressors. Their outstanding chemical stability and resistance to ageing makes them especially well suited for the lubrication of modern refrigeration equipment. These oils have better miscibility characteristics with fluorocarbon refrigerants (eg, R22, R502) and therefore can be used for very-low temperature applications (down to -100 oC). These synthetic lubricants are miscible in all proportions with conventionally refined petroleum oils.

BENEFITS

- **Good low - temperature performance.**
- **Excellent chemical stability – resist reaction with refrigerants.**
- **High thermal stability for long life.**
- **Appropriate viscosity for efficient sealing and lubrication with low wear.**
- **Low floc point - withstand low evaporation temperature without wax precipitation with Refrigerant 12.**
- **Solubility characteristics with halogenated refrigerants superior to mineral oils.**
- **High dielectric strength-exceptionally low moisture content.**
- **Low foaming tendency**

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PRODUCT TYPICAL CHARACTERISTICS

Properties	Units	G3	G4	G5	Test Methods
Density @15°C	kg/L	0.905	0.911	0.904	ASTM D1298
Kinematic Viscosity @40°C	mm ² /s	32.00	55.00	99.00	ASTM D445
Kinematic Viscosity @100°C	mm ² /s	4.500	5.900	8.600	ASTM D445
Flash Point, COC	°C	190	196	220	ASTM D92
Flash Point, PM	°C	176	180	213	ASTM D93
Pour Point	°C	-45	-33	-30	ASTM D97
Aniline Point	°C	79	82	94	ASTM D611
Water content	mg/kg	40	40	40	ASTM D1533
Color		0.5	1.0	1.0	ASTM D1500

Minor variations in product typical test data are to be expected in normal manufacturing.

Always follow the Original Equipment Manufacturer's recommendation (OEM) for the equipment operating conditions, product specification, drain interval and customer's maintenance practices.

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