Data Sheet

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AVF Platinum Vacuum Fluid

Product Description

AVF Platinum is formulated using premium polyalphaolefin (PAO) synthetic base fluid, coupled with an unparalleled high performance additive package.
This vacuum pump lubricant features superior thermal and oxidation stability enabling it to operate over a wide range of temperatures without coking, deposit formation, or corrosion. The lubricant has low volatility and compatibility with mineral oil lubricants.
Corrosion protection, low pour point and excellent oxidative stability ensure that the use of this lubricant over a wide range of applications and systems will result in a long, trouble-free and uninterrupted service interval.
AVF Platinum is specifically advantageous in pump operating within harsh chemical environments, particularly with sour gas (hydrogen sulphide present) applications, due to their robustness of formulation and cleanliness of operation.

Product Applications

Mass Spectrometry Superior Grade Mechanical Vacuum Fluid

Features

- Corrosion protection (H_2S)
- Excellent lubricity
- Low pour point with high viscosity index
- Oxidatively stable
- Low volatility

Benefits

- Resistance against H_2S corrosion
- Increased efficiency, reduced cost of operation
- Better oil flow at start-up / Widest operating temperature range
- Longer oil life / Reduced maintenance
- Reduced maintenance, reduced top-up

Health and Safety

Based on available information, AVF Platinum is a non-toxic, non-hazardous product that is not expected to cause any adverse effects when used as designed. User are advised to follow the recommendation provided in the SDS.

AVF Platinum Vacuum Fluid

Physical Properties

Criteria	Value	Method
ISO VG	68	
Density, g/mL @ 20.0°C	0.835	D4052
Water Content, ppm	53	D6304
Total Acid Number, mg KOH/g	0.05	D974
Flash and Fire Point		D92
Flash Point °C	268	
Fire Point °C	298	
Kinematic Viscosity, cSt		D445
40°C	68.1	
100°C	10.4	
Viscosity Index	139	D2270
Pour Point, °C	-51	D97
Foaming Tendency, mL		D892
Sequence I	10/0	
Sequence II	20/0	
Sequence III	0/0	
Demulsibility		D1401
Water - Oil - Emulsion (Time, mins)	38-40-2 (15)	
Noack Volatility, % Loss	1.3	D972
Copper Strip Corrosion		D130
100 °C for 3 hours	1B	

Ordering Information

Description	PN Number
AVF Platinum	X3760-64007

www.agilent.com/chem/vacuum

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