

ChevronTexaco Aviation A Hydraulic Fluid

Category : Fluid , Lubricant

Material Notes:

FeaturesChevron Aviation Hydraulic Fluids are both manufactured from specially selected, highly refined, low viscosity and low pour point petroleum base stocks. They both contain a superior, shear resistant viscosity index improver, which provides an extremely high viscosity index. They also contain an antiwear agent and an oxidation inhibitor. Both contain a red colored dye to hasten identification. The low viscosity of the base stock used for these fluids and the shear stable viscosity index improver provide the extremely high viscosity index (300+) which is critical for a lubricant or hydraulic fluid operating over the very broad temperature range of -54°C to 135°C (-65 °F to 275°F). Since this is a conventional petroleum base stock, and not a synthetic, the low pour point is critical to minimize filter plugging. In addition, the antiwear additive and foam inhibitor help prevent pump cavitation and can extend both pump and servo valve life.

ApplicationsChevron Aviation Hydraulic Fluid A is manufactured to be used broadly as a hydraulic medium in automotive and industrial equipment operating in unusually cold conditions such as the Alaska North Slope where conventional hydraulic oils are not suitable. Chevron Aviation Hydraulic Fluids are for use in hydraulic systems employing synthetic rubber packing and seals. They are not to be used in systems designed for castor oil-alcohol base fluids. Chevron Aviation Hydraulic Fluids are not compatible or interchangeable with any synthetic type aviation hydraulic fluids. Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

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http://www.lookpolymers.com/polymer_ChevronTexaco-Aviation-A-Hydraulic-Fluid.php

Physical Properties	Metric	English	Comments
API Gravity	29.7 °	29.7 °	
Viscosity Measurement	>= 300	>= 300	Viscosity Index; ASTM D2270
Saybolt Viscosity at 100°F	80 SUS	80 SUS	
Saybolt Viscosity at 210°F	45 SUS	45 SUS	
Kinematic Viscosity at 40°C (104°F)	15 cSt	15 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.5 cSt	5.5 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-63.0 °C	-81.4 °F	ASTM D97
Flash Point	102 °C	216 °F	ASTM D92

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China