PRODUCT DATA SHEET

Oscar AeroFluid 4

DESCRIPTION

Oscar AeroFluid 4 is a mineral hydraulic oil with very good low temperature characteristics and capable of operating over a wide temperature range. Oscar AeroFluid 4 is composed of a mineral oil base stock and a complex additive package which results in a product with excellent low temperature flow and anti-wear properties, exceptional antifoam characteristics, and excellent oxidation stability.

The useful operating temperature range unpressurised is –54°C to 90°C.
The useful operating temperature range pressurised is –54°C to 135°C.

APPLICATIONS

Oscar AeroFluid 4 is intended for use as a hydraulic fluid in undercarriage retraction mechanisms, flap jacks and control mechanisms, brakes, shock absorbers, automatic pilots, oleo legs, tail wheels, servo units, etc. It is also suitable for lubricating de-icing pumps and gearboxes.

SPECIFICATIONS

Meets the requirements of: MIL-H-5606A; DTD.585; DEF STAN 91-48 Grade Normal; DCSEA 415/A; AMG-10; NATO Code H-520; OM-18

TYPICAL PROPERTIES

PROPERTIES		TYPICAL
Oil type		Mineral
Kinematic viscosity	mm^2/s	
@ 100°C		5.30
@ 40°C		14.1
@ -40°C		491
@ -54°C		2300
Flashpoint Pensky Martin Closed Cup	°C	105
Pourpoint	°C	< - 60
Total acid number	mgKOH/g	0.01
Relative density @ 15.6/15.6°C		0.87
Evaporation @ 100°C	%m	10
Colour		Red
Copper corrosion		Passes
Low temperature stability		Passes
Shear stability		Passes
Foaming characteristics		Passes
Phosphorus content	% m/m	Passes
Oxidation & corrosion stability (168 hrs @ 135°C)		
-metal weight change		Passes
-change in viscosity @ 40°C	%	+2.0
-change in acid number	mgKOH/g	+0.1
Anti-wear properties, scar diam	mm	0.95
Rubber swell 168 hrs @ 70°C Vol change %		25

The values shown above are typical values at the date of publication. Oscar Lubricants reserves the right to change these typical values without prior notice.