

AEROSHELL FLUID 5M-A

AeroShell Fluid 5M-A is a highly refined, medium viscosity mineral oil containing an extreme pressure additive as well as additives to provide good oxidation and corrosion protection.

APPLICATIONS

AeroShell Fluid 5M-A is used for the lubrication of gears where high tooth loadings exist. AeroShell Fluid 5M-A is particularly recommended for the lubrication of translation units of contra-rotating propellers, radar gearboxes, constant speed alternator drives. AeroShell Fluid 5M-A is also used in those helicopter transmissions (gearboxes) which require use of a MIL-PRF-6086 oil.

AeroShell Fluid 5M-A is also suitable as an extreme pressure lubricant for heavily loaded pins, bushes and gear mechanisms.

AeroShell Fluid 5M-A must not be used in engines.

SPECIFICATIONS

U.S.	Approved MIL-PRF-6086E Medium Grade
British	Approved DEF STAN 91-112 Grade M
French	Equivalent to DCSEA 255/A
Russian	–
NATO Code	O-155
Joint Service Designation	OEP-70

PROPERTIES	MIL-PRF-6086E Medium Grade	TYPICAL
Oil type	–	Mineral
Kinematic viscosity mm ² /s @ 37.8°C @ 98.9°C	60 to 82 –	68 8.3
Flashpoint Cleveland Open Cup °C	154.5 min	204
Viscosity Index	80 min	100
Pourpoint °C	–29 max	Below –29
Total Acid Number mgKOH/g	1.0 max	0.1
Relative Density @ 15.6/15.6°C	–	0.92
Load Wear Index kg	40 min	50
Colour ASTM	8 max	< 3
Foaming, sequence I, II, III	Must pass	Passes
Copper corrosion 3 hrs @ 100°C	Must pass	Passes

A viscosity/temperature curve is shown at the end of this section.