

AEROSHELL FLUID 5L-A

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

AeroShell Fluid 5L-A has good low temperature characteristics.

APPLICATIONS

AeroShell Fluid 5L-A is used for the lubrication of gears where high tooth loadings exist, particularly when operating at low temperature. AeroShell Fluid 5L-A is particularly suitable for the lubrication of radar gearboxes, constant speed alternator drives. AeroShell Fluid 5L-A is also used in those helicopter transmissions (gearboxes) which require use of this type of MIL-PRF-6086 oil.

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

SPECIFICATIONS

U.S.	Approved MIL-PRF-6086E Light Grade
British	Equivalent DEF STAN 91-112 Grade L
French	–
Russian	–
NATO Code	O-153
Joint Service Designation	Equivalent OEP-30

PROPERTIES	MIL-PRF-6086E Light Grade	TYPICAL
Oil type	–	Mineral
Kinematic viscosity mm ² /s @ 37.8°C @ 98.9°C	23 to 34 –	27.8 4.90
Flashpoint Cleveland Open Cup °C	137.8 min	190
Viscosity Index	80 min	100
Pourpoint °C	–40 max	Below –40
Total Acid Number mgKOH/g	1.0 max	0.1
Relative Density @ 15.6/15.6°C	–	0.89
Load Wear Index kg	40 min	45.5
Colour ASTM	8 max	1.0
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.