



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.

DESIGNED TO MEET CHALLENGES

Main 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, Approvals & Recommendations

- Approved MIL-PRF-6086F Light Grade (US)
- Approved DEF STAN 91-112 Grade L (British)
- NATO Code O-153
- Joint Service Designation Equivalent OEP-30

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical Physical Characteristics

Properties		MIL-PRF-6086F Light Grade	Typical	
Oil type		-	Mineral	
Kinematic viscosity	@37.8°C	mm ² /s	23 to 34	27.8
Kinematic viscosity	@98.9°C	mm ² /s	-	4.90
Flashpoint (Cleveland Open Cup)		°C	137.8 min	190
Viscosity Index			80 min	100
Pour point		°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

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

■ Health and Safety

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

■ Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

■ Advice

Advice on applications not covered here may be obtained from your Shell representative.