



AeroShell Fluid 2F

AeroShell Fluid 2F is an inhibited "flyaway" lubricating oil for the internal protection of piston engines during storage. AeroShell Fluid 2F consists of three parts AeroShell Oil 100 (SAE J-1966 Grade SAE 50) with one part AeroShell Fluid 2XN (MIL-C-6529C Type I) – a corrosion preventative.

DESIGNED TO MEET CHALLENGES

Main Applications

- AeroShell Fluid 2F is used as a piston engine preservative oil, also as a "flyaway" oil, in place of the normal engine oil. A period of 15 minutes engine running under idling conditions is required to ensure adequate distribution throughout the engine. It can also be applied to other parts of the engine and its accessories by spraying. The ashless anti-corrosion additive package and highly refined mineral base oils protect the engine by minimising the effects of humidity and neutralising the acidic components of engine oil oxidation and combustion by-products.
- After storage and before operating the engine, rotate the crankshaft by hand and drain off the preservative oil. An additional optional precaution is to flush the engine with the correct grade of AeroShell oil before draining and re-filling with fresh oil.

- Operation of engines containing "flyaway" oils is limited to 50 hours maximum. Detailed instructions for inhibiting piston engines are given in specifications MIL-E-6058B and MIL-E-6059A and in relevant engine manufacturer's publications.
- AeroShell Fluid 2F may be used in conjunction with Shell VPI 260 or VPI 280 if protection for extended periods is required.

Specifications, Approvals & Recs

Approved MIL-C-6529C Type II (US)

Equivalent to AIR 1503/B Type B (French)

NATO Code C-609

Joint Service Designation OX-270 (obsolete)

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties		MIL-C-6529C Type II	Typical
Pour Point	°C	-12 max	Below -12
Relative Density	@ 15.6/15.6°C	-	0.89
Carbon Residue	%m	2 max	0.45
Ash	%m	0.015 max	0.01
Lead Corrosion, 4 hours	@ 149°C mg/in ²	70 max	14.3
Copper corrosion, 3 hours	@100°C	-	Passes
Rust Protection (humidity cabinet)		-	Passes
Oil Type		-	Mineral
Kinematic viscosity	@ 98.9°C mm ² /s	22.5 max	20.0
Kinematic viscosity	@ 37.8°C mm ² /s	-	265
Flashpoint (Cleveland Open Cup)	°C	204 min	257

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**

AeroShell Fluid 2F is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

- **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.