



AeroShell Fluid S.8350

AeroShell Fluid S.8350 is an SAE 90 extreme pressure gearbox oil.

DESIGNED TO MEET CHALLENGES

Main Applications

- AeroShell Fluid S.8350 is used for helicopter rotor gears, drive-shafts and pitch control mechanisms and wherever high loads and slow speeds in gears require the use of a 90 EP gear oil. AeroShell Fluid S.8350 is approved for use in various Westland helicopter gearboxes.
- AeroShell Fluid S.8350 must not be used in engines.

Specifications, Approvals & Recommendations

- Approved DTD.900/4981A (British)
- Joint Service Designation OEP-215

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	DTD.900/4981A	Typical
Oil type	-	Mineral
Kinematic viscosity @40°C mm ² /s	-	182
Kinematic viscosity @100°C mm ² /s	16.26 to 17.42	17.0
Viscosity Index	85 min	97
Flash point (Cleveland Open Cup) °C	177 min	228
Pour point °C	-18 max	-21
Total acid number mgKOH/g	0.2	0.15
Density @15°C kg/l	-	0.895
Evaporation loss @150°C	5 max	3.0
Precipitation loss ml	0.05 max	0.01
Copper corrosion	Must pass	Passes
Foaming sequence I, II, III	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.