



AeroShell Fluid S.8350

Mineral lubricating oil for helicopter transmissions

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

- Joint Service Designation OEP-215

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

Typical Physical Characteristics

Properties		Method	OEP-215	Typical
Oil type			-	Mineral
Density	@15°C kg/m ³	ISO 12185	-	880
Kinematic Viscosity	@40°C mm ² /s	ASTM D445	Report	169
Kinematic Viscosity	@100°C mm ² /s	ASTM D445	16.26 to 17.42	17.20
Viscosity Index		ASTM D2270	85 min	109
Pour Point	°C	ASTM D97	-18 max	-31
Flash Point	°C	ASTM D92	177 min	217
Foaming Tendency : Sequence 1	ml	ASTM D892	300 max	Passes
Foaming Tendency : Sequence 2	ml	ASTM D892	50 max	Passes
Foaming Tendency : Sequence 3	ml	ASTM D892	300 max	Passes
Copper Corrosion	1h at 121°C	ASTM D130	2C	1B
Phosphorus Content	%m	ASTM D4951	0.067 – 0.078	0.072

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

This product 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 Safety Data Sheet, which can be obtained from <https://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.