



AeroShell Grade	Specifications	NATO code	Joint Service Designation	Product Description and Application	Remarks
<b>PISTON ENGINE OILS</b>					
AeroShell Oil 65	SAE J1966 Grade 30	O-113 (obsolete)	OM-107 (obsolete)	Straight mineral (break-in) piston engine oil	Available in the Americas only. Product discontinued in Dec 2020.
AeroShell Oil 80	SAE J1966 Grade 40	O-115 (obsolete)	OM-170	Straight mineral (break-in) piston engine oil	-
AeroShell Oil 100	SAE J1966 Grade 50	O-117 (obsolete)	OM-270 (obsolete)	Straight mineral (break-in) piston engine oil	-
AeroShell Oil 120	SAE J1966 Grade 60	O-128 (obsolete)	OM-370 (obsolete)	Straight mineral (break-in) piston engine oil	-
AeroShell Oil W80	SAE J1899 Grade 40	O-123 (obsolete)	OMD-160	Ashless dispersant, mineral single-grade piston engine oil	-
AeroShell Oil W100	SAE J1899 Grade 50	O-125 (obsolete)	OMD-250	Ashless dispersant, mineral single-grade piston engine oil	-
AeroShell Oil W80 Plus	SAE J1899 Grade 40	-	-	Ashless dispersant, premium mineral single- grade piston engine oil	Approved for Lycoming SB 446E & 471B, AMOC FAA AD 80-04-03R2 p.1b
AeroShell Oil W100 Plus	SAE J1899 Grade 50	-	-	Ashless dispersant, premium mineral single- grade piston engine oil	Approved for Lycoming SB 446E & 471B, AMOC FAA AD 80-04-03R2 p.1b
AeroShell Oil W120	SAE J1899 Grade 60	O-128 (obsolete)	OMD-370	Ashless dispersant, mineral single grade- piston engine oil	-
AeroShell Oil W15W-50	SAE J1899 Grade Multigrade	O-162 (obsolete)	OMD-162	Ashless dispersant, semi-synthetic multigrade piston engine oil	Approved for Lycoming SB 446E & 471B, AMOC FAA AD 80-04-03R2 p.1b
AeroShell Oil Sport Plus 4	API SL* Rotax RON 424	-	-	Dedicated aviation oil for four-stroke light sport and microlight engines. Recommended by Rotax Viscosity grade 10W-40.	Rotax Service Instruction for Suitable Operating Fluids SI-912/SI-912i/SI-914/SI-915. Do not use in engines designed to use SAE J1899 or J1966.
AeroShell Oil Diesel Ultra	ACEA A3/B4* API SL/CF* Mercedes Benz MB229.5 (No aviation specifications yet defined)	-	-	Fully synthetic dedicated diesel-engine aviation oil. Viscosity grade 5W-30.	Approved for former Thielert/Centurion current Continental Diesel 1.7 and 2.0, Austro Engine AE300 and SMA SR305- 230E engines
<b>TURBINE ENGINE OILS</b>					
AeroShell Turbine Oil 2	MIL-PRF-6081E Grade 1010 & 1010N	O-133	OM-10 (obsolete)	2 mm <sup>2</sup> /s mineral fuel system inhibiting oil.	-
AeroShell Turbine Oil 3	DEF STAN 91-099	O-135	OM-11	3 mm <sup>2</sup> /s mineral fuel system inhibiting oil. Equivalent to and replaces AeroShell Fluid 1.	-
AeroShell Turbine Oil 308	MIL-PRF-7808L Grade 3	O-148	OX-9	3 mm <sup>2</sup> /s synthetic ester aviation turbine oil.	-
AeroShell Turbine Oil 390	DEF STAN 91-094	-	OX-7	3 mm <sup>2</sup> /s synthetic diester aviation turbine oil.	-
AeroShell Turbine Oil 500	MIL-PRF-23699G Grade STD SAE AS5780D Grade SPC DEF STAN 91-101 Grade OX-27	O-156	OX-27	Standard grade 5 mm <sup>2</sup> /s synthetic ester aviation turbine oil.	-
AeroShell Turbine Oil 555	DOD-PRF-85734A DEF STAN 91-100*	O-160	OX-26	5 mm <sup>2</sup> /s synthetic ester oil for engines and helicopter transmissions.	-
AeroShell Turbine Oil 560	MIL-PRF-23699G Grade HTS SAE AS5780D Grade SPC DEF STAN 91-101 Grade OX-27*	O-154	OX-27	High thermal stability 5 mm <sup>2</sup> /s synthetic ester aviation turbine oil.	-
AeroShell Turbine Oil 750	DEF STAN 91-098	O-149	OX-38	7.5 mm <sup>2</sup> /s synthetic ester aviation turbine engine oil.	-
AeroShell Ascender	MIL-PRF-23699G Grade HTS SAE AS5780D Grade HPC DEF STAN 91-101 Grade OX-27*	O-154	OX-27	High performance capability 5 mm <sup>2</sup> /s synthetic hindered ester aviation turbine oil.	-

**NOTES**

\* AeroShell grade meets the requirements of the listed specification but is not necessarily fully approved to that specification.

Unit of measure for viscosities are shown as mm<sup>2</sup>/s, (millimetres squared per second). 1 mm<sup>2</sup>/s = 1 centiStoke (cSt)

AeroShell Grade	Specifications	NATO code	Joint Service Designation	Product Description and Application	Remarks
AVIATION GREASES					
AeroShell Grease 5	MIL-G-3545C* (obsolete) DTD.878A* (obsolete)	G-359 (obsolete)	XG-277 (obsolete)	Mineral Microgel grease for use in wheel-bearings and engine accessories	Available in the Americas only. DTD transferred to DEF STAN 91-52, NATO XG-293
AeroShell Grease 6	MIL-PRF-24139A DEF STAN 91-028* MIL-G-7711A* (obsolete) DEF STAN 91-012* (obsolete)	G-450 (obsolete) G-382	XG-271 (obsolete) XG-274 (obsolete)	General purpose mineral Microgel airframe grease for use in bearings and gearboxes	-
AeroShell Grease 7	MIL-PRF-23827C (Type II)	-	-	Multipurpose synthetic ester Microgel airframe grease	-
AeroShell Grease 14	MIL-G-25537C DEF STAN 91-051	G-366	XG-284	Multipurpose helicopter grease, mineral base oil thickened with calcium soap	-