

Turbine Engine Oil Cross Reference

The below guide illustrates a range of specifications available for Turbine Engine Oil products, covering French, UK and US Military organisations as well as the Society of Automotive Engineers (SAE). Also included for reference are the corresponding NATO codes and Joint Service Designations.

It is recommended that the individual product/pack size combination is checked before placing an order to ensure that the required specification will be certified, and you should always refer to your aircraft maintenance manual (AMM), component maintenance manual (CMM) or qualified products list (QPL) for final approval. This list is subject to change at any time.

US Specification	SAE Specification	UK Defence Specification	French Specification	Nato Code*1	Joint Service Designation*2	Aeroshell	Nyco	Eastman	Mobil
MIL-PRF-23699 Type STD	SAE AS5780 Grade SPC	DEF STAN 91-101	DCSEA 299	O-156	OX-27	TURBINE OIL 500	TURBONYCOIL 600	TURBO OIL 2380	JET OIL II
MIL-PRF-23699 Type HTS	SAE AS5780 Grade HPC	DEF STAN 91-101	DCSEA 299	O-154	OX-27 (equivalent)	TURBINE OIL 560*3 / ASCENDER	TURBONYCOIL 640	TURBO OIL 2197	JET OIL 254 / JET OIL 387
MIL-PRF-6081 Grade 1010			AIR 3516	O-133	OM-10 (o)	TURBINE OIL 2	TURBONYCOIL 3516		
MIL-PRF-7808 Grade 3				O-148	OX-9	TURBINE OIL 308	TURBONYCOIL 160	TURBO OIL 2389	Avrex S 256
DOD-PRF-85734		DEF STAN 91-100		O-160	OX-26	TURBINE OIL 555	TURBONYCOIL 699	TURBO 25	
		DEF STAN 91-94			OX-7	TURBINE OIL 390			
		DEF STAN 91-99	AIR 3515	O-135	OM-11	TURBINE OIL 3	TURBONYCOIL 280P		
		DEF STAN 91-98	AIR 3517	O-149	OX-38	TURBINE OIL 750	TURBONYCOIL 35M		

*1 NATO Codes denote products currently in use by the NATO countries, and therefore may not apply to all products referenced.

*2 Joint Service Designations are assigned to products that meet British specifications (or US specifications adopted by the UK) and are supplied to the British Services so may not apply to all products

*3 AeroShell Turbine Oil 560 is approved to MIL-PRF-23699 Type HTS but only SAE AS5780 Grade SPC.