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**LUBRICANTS OILS AND GREASES - MAINTENANCE PRACTICES**

*EFFECTIVITY: ALL*

1. General

- A. This subchapter gives a list of the products approved to be used on, and for the servicing of, the aircraft, with their most usual suppliers.
- B. For the correct procedure to use the products, and for filling, charging, lubrication, or other applications, refer to the chapters shown in the table that follows.
- C. Unless specified differently by the component manufacturer, MIL-, FED. SPEC., products of different brands must not be mixed.
- D. Possible alternative products are opposite the same group of chapters where the indicated product(s) is(are) referenced to.
- E. Products on the QPL (Qualified Products List) for specifications MIL referred to in this subchapter are automatically approved to be used on the aircraft.
- F. The supplier/manufacturer addresses are given in section [AMM MPP 20-30-00/200](#).
- G. The signal "-" in the SPECIFICATION column of the table means that no specification is available for the related product.

**LUBRICANTS OILS AND GREASES - MAINTENANCE PRACTICES**

*EFFECTIVITY: ALL*

2. List of the Products Approved to Be Used on the Aircraft

A. The table that follows gives the Engine Lubricants approved to be used on the aircraft.

Table 201 - ENGINE LUBRICANTS

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAIN- TENANCE MANUAL INDICATION
MIL-PRF-23699 STD	Aeroshell / Royco Turbine Oil 500	Shell / Royal Lubricants	12-12-01
	BPTO 2380	Air BP Lubricants	
	ETO 2380	Eastman Lubricants	
	Mobil Jet II	Mobil	
	Turbonycoil TN 600	Nyco	
MIL-PRF-23699 HTS	Mobil Jet Oil 254	Mobil	
	BPTO 2197	Air BP Lubricants	
	ETO 2197	Eastman Lubricants	
MIL-PRF-7808	Mobil RM 284A	Mobil	

- NOTE: • Fill the Air Turbine Starter Oil Tanks with the same oil as that approved for the engine. Refer to [AMM TASK 80-10-01-600-801-A/300](#)).
- Refer to the latest revision of Rolls-Royce Maintenance Manual CSP34022 for the recommendations about mixture of engine oil of different brands.

B. The table that follows gives the Auxiliary Power Unit Lubricants approved to be used on the aircraft.

Table 202 - AUXILIARY POWER UNIT LUBRICANTS

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAIN- TENANCE MANUAL INDICATION
MIL-PRF-7808	Aeroshell Turbine Oil 390	Shell	12-12-02
	BPTO 2389	Local supplier	
	Castrol 325	Castrol	
	Mobile Avrex S Turbo 256	Local supplier	

Table 202 - AUXILIARY POWER UNIT LUBRICANTS (Continued)

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAIN- TENANCE MANUAL INDICATION
MIL-PRF-23699	Castrol 5000	Castrol	12-12-02
	Castrol 5050	Castrol	
	Calstex Sato 5S	Local supplier	
	BPTO 2197	Air BP Lubricants	
	ETO 2197	Eastman Lubricants	
	BPTO 2380	Air BP Lubricants	
	ETO 2380	Eastman Lubricants	
	Hatcol 3211	Local supplier	
	Mobil Jet Oil II	Mobil	
	Mobil Jet Oil 254	Mobil	
	Aeroshell / Royco Turbine Oil 500	Royal Lubricants Shell Aeropia Aero Hardware	
	Aeroshell / Royco Turbine Oil 560	Local supplier	
	Total Aero Turbine Oil 535	Local supplier	
	Turbonycoil 525-2A	Nyco	
	Turbonycoil TN 600	Nyco	

C. The tables that follow give the lubricants, oils, and greases approved to be used on the aircraft.

Table 203 - LUBRICANTS

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
AMS-2518	Aeroshell Compound 08 Molykote 321 Molykote 7409	Shell Dow Corning Co.	32-49-01 32-49-04 71-00-00 71-20-00
-	Spray Teflon Tiolon A-20	Tiodize	52-11-00 52-18-00
	MS-122XD MS-143XD	Miller - Stephenson Chemical Co. Inc.	52-31-00 56-11-01
MIL-PRF-27617	Tiolon A-20 Krytox 240AC	Tiodize	12-30-01 52-11-00 52-18-00 52-31-00 56-11-01
MEP08-019	Krytox XHT-BDX	Du Pont Cbol	36-11-10
SAE-AMS-M-7866	Molykote Z Powder	Dow Corning Co.	27-51-00

Table 203 - LUBRICANTS (Continued)

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
-	PreservIT P5L	CAIG Laboratories, Inc. LPS Chemical Products - Holt Lloyd CO CBOL Corporation Michael Kim Aerocontracts Chemicals Aeropia INC First Wave Aviation LLC First Wave Brasil Industria Interturbine Aviation Logistics Graco Supply Company Netmro INC	27-14-01 27-40-03 27-40-04
	DeoxIT Shield S5L		
MIL-C-81309	LPS1-/000116		
-	Parker Super-O-Lube <sup>[1]</sup>	Local Supplier	38-32-04
MIL-PRF-16173	WD-40 Lubricant	WD-40 Company	53-21-02
-	LUBRIPLATE MO-LITH No. 2	Fiske Brothers Refining Co.	21-51-01 36-10-01 36-11-02 36-11-03 36-11-05
-	P-80 Rubber Lubricant Emulsion	International Products Corporation	21-60-01 21-51-02
-	Molykote DX	Shell Dow Corning Co. Interturbine Aviation Logistics	32-20-10

[1] For task 38-32-04, Molykote DC-33 Light Grease (A-A-59173), manufactured by Dow Corning Co, can be used as an alternative.

Table 204 - OILS

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
MIL-PRF-7870 DEF STAN 91-47	Aeroshell Fluid 3	Shell	27-35-00 32-44-10
	Nycolube 7870	Nyco	
MIL-C-16173 Class I, Grade 2	Braycote 137	Castrol	27-11-00 27-21-01 27-31-01
	Nycoprotec 8132	Nyco	
	LPS 3	LPS RESEARCH	
MIL-C-16173 Class I, Grade 3	LPS 2		
MIL-C-16173 Class II, Grade 3	Esgard PL-3	Esgard, Inc.	
-	Brayco Micronic 762	Castrol	27-40-02
	Royco 757	Royal Lubricants	
	Radcolube NLT	Local supplier	
MIL-PRF-81309	LPS 1	LPS RESEARCH Cbol	52-11-00 52-18-00 52-43-00

Table 205 - GREASES

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
MIL-G-46886 superseded by A-A-59173	Molykote DC-33 Light Grease	Dow Corning Co.	21-26-06 21-27-02 25-30-01 25-30-02 27-11-00 27-15-02 28-11-01 28-11-02 28-11-03 28-12-01 28-21-04 28-21-05 28-21-12 28-22-01 28-23-01 28-23-02 28-23-03 28-23-04 28-23-06 28-23-07 28-41-03 28-45-02 30-21-02 30-21-03 30-21-04 30-21-06 30-80-01 32-44-03
MIL-G-46886 superseded by A-A-59173 (Cont.)	Molykote DC-33 Light Grease (Cont.)	Dow Corning Co. (Cont.)	38-32-01 38-32-04 52-10-01 52-11-00 52-11-06 52-11-10 52-40-01 52-40-02 53-04-01 53-04-10 53-04-20 53-04-30 53-21-13 53-31-01 53-40-01 55-36-01 56-20-01 57-30-00 57-30-01 57-43-01

Table 205 - GREASES (Continued)

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION	
MIL-G-23827 superseded by MIL-PRF-23827	Aeroshell Grease 7	Shell	10-10-02	
	Aeroshell Grease 33		12-21-06	
	Nyco Grease GN 10	Nyco	12-21-10	
	Nyco Grease GN148	Nyco	20-10-08	
	Starfak Low Temp EP	Texaco	25-11-01	
			27-51-00	
			27-15-02	
			27-35-00	
			32-50-02	
			52-11-00	
			52-11-06	
			52-11-10	
52-18-00				
52-21-00				
52-23-03				
52-31-00				
52-31-01				
52-43-00				
52-43-09				
Aeroshell Grease 7	Shell	32-50-07		
Aeroshell Grease 33				
Nyco Grease GN148	Nyco			
Nyco Grease GN 10				
MIL-PRF-81322	Aeroshell Grease 22	Shell	24-34-01	
	Mobilgrease No. 28	Mobil	27-51-00	
	Nyco Grease GN 22	Nyco	28-11-01	
	Mobilgrease No. 28	Mobil	32-10-01 32-20-01 32-34-00 32-10-03 32-20-02	
MIL-PRF-23827	Aeroshell Grease 22	Shell		
	Aeroshell Grease 33			
	Aeroshell Grease 7	Lubcon		
	Nyco Grease GN148	Nyco		
MIL-G21164	Aeroshell Grease 33MS	Shell		32-10-01 32-20-01 32-34-00 32-10-03 32-20-02
	Aeroshell Grease 64			
	Nyco Grease GN17	Nyco		
MIL-PRF-23827	Mobilgrease 33	Mobil	32-20-10	
	Aeroshell Grease 33	Shell		
	Aeroshell Grease 7			Nyco
	Nyco Grease GN148	Nyco		
-	Mobil Aviation SHC 100	Mobil	10-10-02 32-49-02 32-49-05	
MIL-G-25013 DEF STAN 91-55	Aeroshell Grease 15A	Shell	10-10-02	
MIL-G-4343	Pneumatic Grease DC55M	Dow Corning Co.	20-10-03	
	Nyco Grease GN 4343	Nyco		

Table 205 - GREASES (Continued)

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/ MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
SAE AS 8660	Silicone Compound DC4	Dow Corning Co.	32-49-01 32-49-04 34-32-02 34-32-12 36-11-02 36-11-03 30-11-01 30-12-01
	Nyco Grease GN 69	Nyco	
MIL-G-25537	Aeroshell Grease 14	Shell	28-11-01
	Nyco Grease GN 46	Nyco	
MEP 08-017	Teflon Grease GGA80TF/B	Clarus Technology	36-11-06 32-60-00 38-10-04
MIL-PRF-27617	Krytox 240AC		32-60-00 38-10-04
	Krytox 240AZ		
MIL-G-21164	Aeroshell Grease 17	Shell	29-10-03
	Aeroshell Grease 33MS		
	Aeroshell Grease 64		
	Nyco Grease GN17	Nyco	
MIL-PRF-23827	Aeroshell Grease 33	Shell	05-50-32
	Aeroshell Grease 7		
	Nyco Grease GN148	Nyco	
-	Molykote DX	Dow Corning Co.	

