



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

FUEL AND SERVICE FLUIDS - 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. The correct procedure to use the products, and for filling, charging, or other applications is given in the chapters referred to below.
- C. Fuels with the same specification MIL-, FED. SPEC., but of different makes, can be mixed.
- D. Products listed on the QPL (Qualified Products List) for MIL specifications, referred to in this subchapter, are automatically approved to be used on the aircraft.
- E. Possible alternative products are listed opposite to the same group of chapters where the indicated product(s) is(are) referenced to.
- F. All Phosphate Ester-Base Hydraulic Fluid Type IV are miscible and compatible and may be used with each other in any and all proportions.
- G. The supplier/manufacturer addresses are listed in the section [AMM MPP 20-30-00/200](#).



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

FUEL AND SERVICE FLUIDS - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

2. List of the Products Approved to be Used on the aircraft

A. The table below gives the Engine Fuel and Servicing Fluids approved to be used on the aircraft.

Table 201 - ENGINE FUEL

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
CNP-08	QAV1	Local Supplier	12-11-01 12-11-02
ASTM D1655	JET A JET A-1	Local Supplier	12-11-01 12-11-02
MIL-T83133A	JP8	Local Supplier	12-11-01 12-11-02
GB 6537-94	No. 3 Jet Fuel	Local Supplier	12-11-01 12-11-02
GOST 10227-86	TS-1	Local Supplier	12-11-01 12-11-02
MIL-T-5624L	JP5	Local Supplier	12-11-01 12-11-02

[1] The list contains optional fuels that cannot be applicable to a specific aircraft serial number. Refer to the latest revision of the AFM for the list of approved ones.

Table 202 - SERVICING FLUIDS

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
MIL-PRF-5606 or MIL-H-5606	Hydraulic Fluid (Aeroshell Fluid 4 or 41)	Shell	27-51-00
MIL-PRF-5606 or MIL-H-5606	Hydraulic Fluid As per MIL-PRF-5606 requirements	Local Supplier	32-10-02 32-20-01 32-20-08
FED. SPEC. BB-N-411 superseded by A-A-59503 Type I, Class I, Grade B	Nitrogen	Local Supplier	12-13-06 21-31-13 32-10-02 32-20-01 32-44-02 32-49-01 32-49-04 34-13-00 35-10-00 35-10-04 35-11-02
MIL-O-27210	Oxygen	Local Supplier	12-14-00

[1] EMBRAER-CMM task.



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

Table 202 - SERVICING FLUIDS (Continued)

SPECIFICATION	COMMERCIAL PRODUCT	SUPPLIER/MANUFACTURER	TO USE, REFER TO MAINTENANCE MANUAL INDICATION
SAE AS 1241, Type IV	Phosphate Ester-Base Hydraulic Fluid (Skydrol 500B-4)	Solutia	12-13-01 20-10-06
	Phosphate Ester-Base Hydraulic Fluid (Skydrol LD-4)	Solutia	12-13-01 20-10-06
	Phosphate Ester-Base Hydraulic Fluid ( HyJet IV-A plus)	Exxon	12-13-01 20-10-06
HFC R134A	Service Fluids	WILLIAMS REFRIGERATION LTD	21-52-00FT501-1

[1] EMBRAER-CMM task.

