

CF6-80C ENGINES



Oil Tank 7075M51G10

The oil tank assembly is a pressurized oil storage unit and is an integral part of the aircraft engine lubrication system. The assembly consists of two side-by-side cylinders capped by upper and lower bodies. The upper body houses the inlet and oil level indicating ports and the vent pressurizing valve. The lower body houses the drain plug and discharge port. The forward cylinder houses the pressure and gravity fill ports, overfill port, sight plug and relief valve. The 7075M51G10 oil tank has a cap and a pressurizing tube which connects the cap to the deaerator body. The upper and lower bodies are equipped with flanges. Overall dimensions are approximately, 22 in. (559 mm) wide by 34 in. (864 mm) high by 7 in. (178 mm) deep.

The oil tank assembly performs the following functions:

- A. Stores and supplies lubricating oil upon system demand over the range of altitude and environmental requirements. It also provides space to accommodate system fluid volume changes.
- B. Provides a system for removing air from the scavenge air/oil mixture and venting of excess air from tank.

The 7075M51G10 oil tank includes a self-sealing oil fill cap which prevents oil loss by an automatic service port closure when the oil cap is left off. This permits tank pressurization to maintain oil flow to the lube pump.

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