

Clarifying the definition of Lubrication and Servicing (MPIG 2023-03)

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Clarifying the definition of Lubrication and Servicing

Issue: The current definition of Lubrication and Servicing in MSG-3 document is either incomplete or ambiguous, thus needs clarification.

Lubrication and Servicing

Any act of lubricating or servicing for the purpose of maintaining inherent design capabilities.

Problem:

Task Type	Interval	Task Description	Task Type	Interval	Task Description
SVC	400FH	IDG oil system servicing (replenish as required)	SVC	6000FC	Replace nose landing gear oil
SVC	700FH	CHECK OIL LEVEL OF VARIABLE FREQUENCY GENERATOR (VFG) AND ADD OIL AS REQUIRED	SVC	4000FC	SERVICING OF MAIN LANDING GEAR SHOCK STRUT(REPLACE HYDRAULIC OIL)
VCK	700FC	VISUAL CHECK OF SHIMMY DAMPER OIL GAUGE	DIS	800FH	Replace the oil in IDG oil system
VCK	14DY	VISUAL CHECK OF PASSENGER/CREW ENTRY DOORS EMERGENCY OPERATION CYLINDER GAS PRESSURE GAUGE TO VERIFY IT IS IN NORMAL RANGE	DIS	1500FH	DISCARD VARIABLE FREQUENCY GENERATOR (VFG) LUBRICATION OIL

Discussion Process: Submitted on 2023-02-02, First Presented on 2023-06-07

Agreed and Finalized on 2023 MPIG F-F meeting

Main Comments Contributors: **Armando , Ravi, Alan, Leonard, RMPIG**



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Recommendation:

Glossary

Lubrication and Servicing	Any act of lubricating or servicing for the purpose of maintaining inherent design capabilities. Lubrication is applying a lubricant directly to an item to prevent or reduce friction/corrosion/wear/fretting between moving surfaces.
Servicing	Servicing is work such as draining/replenishing/replacing of consumables (air, fuel, oil, water, etc.) to meet operating conditions or quantity requirements.

Applicability Criteria Section of SVC/LUB and DIS

NOTE: Tasks that determine the need for replenishment of the consumable prior to the actual act of replenishment should not be directly defined as SVC. Instead, task types, such as VCK, that can determine the need for replenishment should be considered first.

NOTE: According to the definition of DIS, replacing the consumables (such as lubricating oil, hydraulic oil) are recommended not to select DIS task type, but SVC.

CIP with Comments

CIP 2023-03

The background of the slide is a wide-angle photograph of a long, multi-lane bridge stretching across a vast body of water towards a distant horizon. The sky is filled with soft, colorful clouds in shades of blue, orange, and pink, suggesting a sunset or sunrise. The water is a deep blue with gentle ripples. The bridge's structure, including its supports and cables, is visible as it recedes into the distance.

Thank You

Any questions, please ping wangyiping@comac.cc