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MT-Propeller green Piston O-Ring and Piston Backup Ring Replacement

To: All Owners / Operators of MT propeller models MTV-5 / -16 / -27 / -37 / -47 installed on turbine engines from Pratt & Whitney, Honeywell, Rolls Royce and GE Aviation.

Type Affected: Above listed propeller models are affected if they are repeatedly operated for more than 3 hours below an outside temperature lower than -40°C / -40°F or they are operated in environmental conditions where the engine start up occurs at an outside temperature below -25°C / -13°F.

Additionally, they are only affected if they were manufactured, overhauled or repaired from Sep 1st 2022 until mid of April 2024 and if during the repair work the piston O-ring and PTFE Backup Ring have been replaced.

Action: On all affected propellers, the piston O-ring and PTFE backup ring shall be replaced at any signs of oil leakage.

Accomplishment: If affected by the above case, the green propeller piston O-ring and the original used PTFE Backup Ring C-357-() shall be replaced by a new black piston O-ring with a green dot C-047-()-4 and the latest model C-510-() PTFE Backup Ring.

Reason: The previously used backup ring and green piston O-Ring in combination with very long, cold, continuous operation can lead to a minor oil leakage which will be seen as oil spray on the blade roots and/or cowling. The oil leakage is only minor and does not affect the safe operation of the propeller.

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