



SERVICE BULLETIN

Date : October 08, 2020

Subject :

- Exchange of the transmission and propeller flange on Polini THOR 250 and THOR 250 DS engines.

Aircraft concerned:

- Pixel trikes equipped with Polini THOR 250 / THOR 250 DS engines.

Description of the potential problem :

- The company Polini published during the month of July a safety warning concerning all Polini THOR 250 and THOR 250 DS engines equipped with a propeller whose diameter is greater than 1.40 m. This safety warning concerns the transmission and propeller flange which may experience breakage problems. Please find below this warning, in its entirety. You will find this warning in English and Italian on the Polini website:

<https://www.polinithor.com/en/technical-area/safety-warnings/>.

Safety warning Polini :

INCREASED GEAR SHAFT AND PROPELLER M14 FLANGE

Polini Motori has designed and produced a new increased transmission and propeller flange. All the Thor 250 and Thor 250DS engines produced starting from 15.06.2020 will be equipped with the new transmission.

The upgrade refers to the gear shaft diameter that switches from M12 to M14.

This change is dedicated above all to applications on 3-axes or on machines with propeller with diameter bigger than 140cm because the reduction shaft is undergone to high levels of stress that may damage the reduction shaft, causing a big failure.

Polini Motori highly RECOMMEND replacing the reduction with the new increased M14 version to the owners of Thor 250 and Thor 250DS purchased before 15.06.2020

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