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Subject: ERA24FA160, Engine manufacturer

Contact: Roberta Camozzi, Export Department, Polini Engines

The following are excerpts from multiple email messages between the IIC and the engine manufacturer.

April 30, 2024, basic engine info from Polini:

"We checked our records and the Thor 303DS engine Serial # 989*08020 was manufactured in April 2021 and it was sold to TECHPROAVIATION S.R.O. in Czech Republic the 13.05.2021"

April 30, 2024, info from Polini about the position of the idle set screw:

"The screw in the photo is in an unusual position. Attached the photo of the factory setting.

This screw has the function to adjust the mechanical idle; as you can see in the photo the screw adjusts the opening of the valve when the engine is not accelerated.

When the engine works perfectly if you modify the screw by screwing it all the way in, the result is an engine that will idle at very high rpm (3500/4000 rpm) instead of 1800rpm"

May 10, 2024, info from Polini about the propeller installed:

Polini was provided by the IIC the information about the propeller that was installed and provided the following:

" this is not a propeller we recommend; additionally, since this is a ground-adjustable one we cannot know if it was properly set for the engine.

But if it was well adjusted it could have been ok."

May 15, 2024, info from Polini when provided with pictures of the air intake from the accident airplane:

"from the photo we see that the original factory filter was replaced by the one shown in the photo below.

We have never approved such modification because it drastically modifies the carburetion and the stability of the engine."