



March 14, 2024

Marvel-Schebler Aircraft Carburetors LLC. has completed a fuel flow evaluation of carburetor model HA-6, part number: 10-5235, serial number: MSC51201. This evaluation was performed on March 13, 2024. The evaluation was witnessed by Jacob King, Greensboro NC FSDO. The results are as follows.

As compared to the target flow for this model, the performance of carburetor: 10-5235, serial number: MSC51201, was as expected within the target fuel flow. This evaluation does not include idle, as the final determination for this setting is done in the field.

At the first power setting the unit is nominally parallel to the target flow.

At the second power setting the unit is nominally parallel to the target flow.

At the third power setting the unit is nominally 1% more lean than the target flow. Nominally 3.5% more lean than the flow of the target is the maximum permitted at this setting.

At the fourth power setting the unit is nominally 1.2% more lean than the target flow. Nominally 3.5% more lean than the flow of the target is the maximum permitted at this setting.

The full throttle power setting is nominally 1.7% more lean than the target flow. Nominally 3.4% more lean than the flow of the target is the maximum permitted at this setting.

MSA provided the information that the carburetor last left our facility on April 15, 2016. MSA has a recommended overhaul period of every 10 calendar years, regardless of time in service, or at the TBO of the engine on which the carburetor is installed. The shipping date provided is within MSA's recommended overhaul period of 10 calendar years. MSA has no way of knowing if the carburetor has operated more than MSA's recommended time in service.

While the tamper-evident seal appeared to be intact, MSA would have no way of knowing if the carburetor has been opened/serviced in the field since it's 2016 shipping date.

Carburetor serial number MSC51201 was returned to Jacob King at the completion of the evaluation.

Please feel free to contact me for any further assistance,

Mark Keeney

for

Marvel-Schebler Aircraft Carburetors LLC.

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