

# UNAPPROVED PARTS NOTIFICATION

Aircraft Certification Service



**FAA**  
Aviation Safety

No.: 2017-2016SW410003

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<http://www.faa.gov/aircraft/safety/programs/sups/upn>

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## **AFFECTED PRODUCTS**

Boeing Airplane Company 75 Series airplanes fuel gauge assembly, part number AG75N1-3116, manufactured by Dusters and Sprayers Supply, Inc., between August 2002 and September 2016.

## **PURPOSE**

This notification advises all aircraft owners, operators, manufacturers, maintenance organizations, parts suppliers, and distributors, of the unapproved status of Dusters and Sprayers Supply, Inc., fuel gauge assembly, part number AG75N1-3116.

## **BACKGROUND**

As a result of an investigation, the Federal Aviation Administration (FAA) has determined that Dusters and Sprayers Supply, Inc., fuel gauge, part number AG75N1-3116, produced under Part Manufacturer Approval PQ0229SW, contained unapproved changes that adversely affected performance and accuracy. Inspection of the fuel gauge tube and indicator showed the gauge tube material had swelled, which caused the indicator to get lodged leading to incorrect fuel level reporting. Further investigation revealed that fuel gauges produced between August 2002 to September 2016 were dimensionally non-compliant and did not meet type design. Failure of the fuel gauge indicator may provide the operator with misleading in-flight fuel quantity information.

## **RECOMMENDATIONS**

FAA regulations require that type-certificated products conform to their type design. The FAA encourages aircraft owners, operators, manufacturers, maintenance organizations, parts suppliers, and distributors to inspect their aircraft and/or aircraft parts inventory for the referenced part number. If these fuel gauges are found in existing inventory or installed on aircraft, the FAA recommends that they be quarantined until a determination can be made regarding their eligibility for installation.

## **FURTHER INFORMATION**

Further information concerning this investigation and guidance regarding the above-referenced articles may be obtained from the FAA Manufacturing Inspection District Office Section (MIDO) shown below. In addition to the above recommendations, the FAA would appreciate any information concerning any malfunctions operators may have experienced in relation to the referenced Dusters and Sprayers Supply, Inc., fuel gauges (e.g. misleading fuel quantity information, lodged indicators, leaking gauges, etc.).

This notification originated from the FAA Bethany MIDO Section, AIR-881, 5909 Philip J. Rhoads, Bethany, OK 73008. Telephone (405) 798-2057, fax (405) 798-2062.