



Scoda Aeronáutica Ltda
Estrada Municipal IPN 020 km 0,1
Ipeúna – SP, Brazil.
PHONE: (19) 3576-1292
ZIP CODE: 13537-000
www.scodaeronautica.com.br

NOTIFICATION

NT_SPLS_008
Revision 01

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Released Date: **February 28th, 2019**
Effective Date: **July 09th, 2020**

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NT_SPLS_008

FUEL INDICATION

Application of Notes, Cautions and Warnings

NOTES, CAUTIONS and **WARNINGS** are used in this document to emphasize instructions and information considered to be unusual or critical. A **NOTE, CAUTIONS** and **WARNINGS** may appear in the text either before or after the instruction(s) to which it applies, depending on the relative significance of the information. The conditions that warrant the use of **NOTES, CAUTIONS** and **WARNINGS** are defined below:

WARNING

IDENTIFIES AN INSTRUCTION, WHICH IF NOT FOLLOWED MAY CAUSE SERIOUS INJURY OR EVEN DEATH

CAUTION

Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of warranty

NOTE

Information useful for better handling

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1. Planning Information

NOTE

SCODA AERONAUTICA cannot accept any responsibility for the quality of work performed. Please refer to the last revision of the Advisory Circular 43.13 – 1B Acceptable Methods, Techniques, and Practices Aircraft Inspection and Repair.

1.1. Affected Aircraft

Type:	Super Petrel
Model:	LS
Serial Number:	From S0295 inclusive
Applicable Countries:	Not limited

1.2. Reason

Flight reports has shown fuel indication temporary disparity during climbing. This phenomenon happens when the aircraft fuel tank is over fueled causing a flood on the venting line, the lack of pressure equalization may cause temporary irregular fuel indication.

1.3. Subject

Wing tank overfueling related problems

1.4. Type of Maintenance

N/A

1.5. Personnel Qualifications

N/A

1.6. Weight and Balance

Not Affected

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1.7. References / Referências

N/A

1.8. Superseded Documents / Documentos Substituídos

N/A

1.9. Contact Details / Detalhes do Contato

For further information on performing this SB, contact us to the following email address:

engineering@scodaero.com.br

1.10. Disclaimer / Aviso Legal

This Service Bulletin has been generated with utmost care. Nevertheless errors and misunderstandings can never be fully excluded. In case of any doubts, the applicant is requested to contact Scoda Aeronáutica Ltda immediately to clarify the issue.

2. Resources

- Pilot's Operating Handbook – Super Petrel LS

3. Instructions

- **Aircraft Fuel System Description.**

The fuel system of the Super Petrel Ls is fed by two wing tanks, which are inside the lower wings leading edges, and a header tank located behind the passenger's seat (right side of the aircraft). These two wing tanks are not interconnected but are connected to a fuel selector valve, which has three positions (right wing, left wing or closed) which feeds the header tank.

The fuel system also contains a shut-off valve, which avoids the engine being fed by usable fuel during emergency procedures. Shut-off valve is located next to the header tank behind the passenger's seat.

Fuel quantity gauge only will indicate the selected wing fuel quantity. The pilot should be directed to the header tank sight gauge for the remaining fuel quantity.

NOTE

On cruise, it is highly recommended to switch the fuel tank each 30 minutes.

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FUEL CAPACITY: 25 US Gallons / 95 Liters
USABLE FUEL: 24 US Gallons / 91 Liters

- **RIGHT WING:** Usable fuel 10 US Gallons / 38 Liters
- **LEFT WING:** Usable fuel 10 US Gallons / 38 Liters
- **HEADER TANK:** Usable fuel 4 US Gallons / 15 Liters

• Fueling Process

Fueling procedures should be followed according to the applicable FAA Advisory Circulars. However, Scoda Aeronáutica in order to help the owner/operator out recommends the following:

1. Chock the aircraft tires.
2. Turn off fuel pumps.
3. Turn off avionics.
4. Turn off master switch.
5. Attach bonding cable.
6. Open fuel tank cap.
7. Check fuel specifications.
8. Fill the tank (check for the maximum fuel capacity).
9. Close fuel tank cap.
10. Check for spillage and clean as necessary.

• Fuel System Flooding Prevention

- The aircraft should be leveled for fueling procedure.
- Fuel the wing tanks up to one inch (1 in) between fuel level and wing tank cap.

NOTE

The use of a limiter as presented below may help preventing the wing tank to be overfueled.



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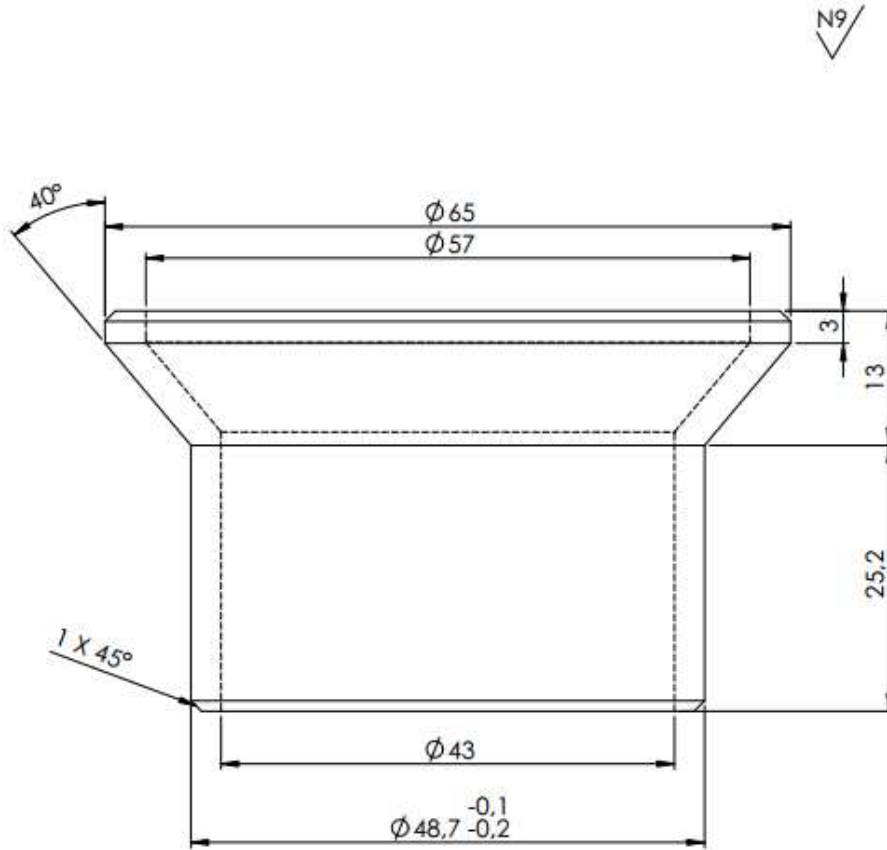
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- Fuel Limiter Drawing



Material: Aluminum

Dimensions: mm

Tolerance: +/- 0.15

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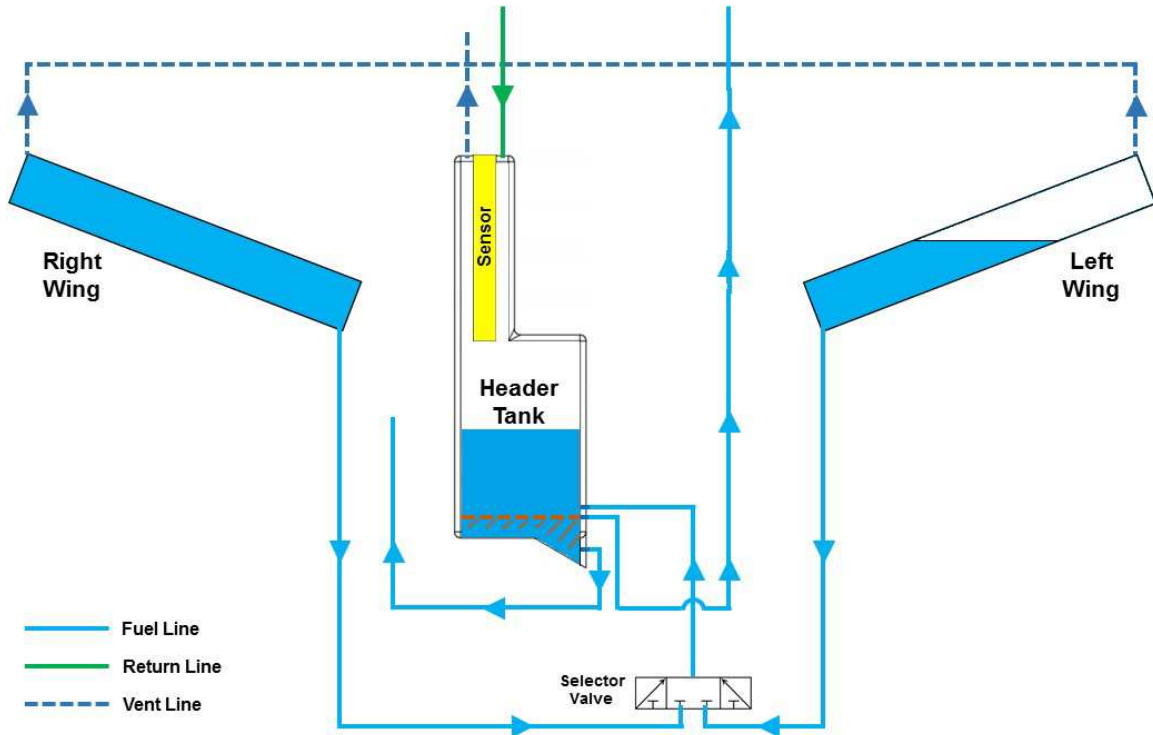
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- Fuel System Diagram

Scheme when the tank is over fueled and the venting line is flooded:



Scheme when the tank is properly fueled:

