



## Summary report

With regard to the present accident or serious incident, a summary investigation was carried out in accordance with Art. 45 of the Ordinance on the Safety Investigation of Transport Incidents (OSITI). This report was produced with the goal of gaining understanding from the present incident.

<b>Aircraft</b>	Cessna S550 Citation S/2	Registration EC-LQF		
<b>Operator</b>	Clipper National Air, S.A., C/Arcadio Balaguer, 12, B3 08860 Castelldefels (Barcelona), Spain			
<b>Owner</b>	Clipper National Air, S.A., C/Arcadio Balaguer, 12, B3 08860 Castelldefels (Barcelona), Spain			
<b>Commander</b>	Spanish citizen, born 1969			
<b>Licence</b>	Airline Transport Pilot Licence Aeroplane (ATPL(A)) according to the European Aviation Safety Agency (EASA), issued by the Agencia Estatal de Seguridad Aérea (AESA)			
<b>Flying hours</b>	<b>total</b>	9400 hours	<b>during the last 90 days</b>	26 hours
	<b>on the type involved in the incident</b>	1122 hours	<b>during the last 90 days</b>	26 hours
<b>First officer</b>	Spanish citizen, born 1981			
<b>Licence</b>	ATPL(A) according to EASA, issued by the AESA			
<b>Flying hours</b>	<b>total</b>	1638 hours	<b>during the last 90 days</b>	31 hours
	<b>on the type involved in the incident</b>	600 hours	<b>during the last 90 days</b>	31 hours
<b>Location</b>	Geneva Airport (LSGG)			
<b>Coordinates</b>	---	<b>Altitude</b>	---	
<b>Date and time</b>	9 April 2016, approx. 12:55 UTC, (LT = UTC + 2 h)			
<b>Type of operation</b>	Emergency medical flight			
<b>Flight rules</b>	Instrument Flight Rules (IFR)			
<b>Flight phase</b>	Cruise			
<b>Type of incident</b>	Engine failure			
<b>Departing from</b>	Zurich (LSZH)			
<b>Destination</b>	Valencia (LEVC)			
<b>Injuries to persons</b>	<b>Crew</b>	<b>Passengers</b>	<b>Other</b>	
Slightly injured	0	0	0	
Not injured	2	2	0	
<b>Damage to aircraft</b>	Not damaged			
<b>Other damage</b>	None			

### History of the serious incident

In the early afternoon of 9 April 2016 the flight crew of the Cessna Citation II twin-jet business aircraft, registration EC-LQF, planned a medical ferry flight from Zurich to Valencia with a doctor and a patient on board.

After take-off from Zurich at 11:50 UTC, the two pilots initiated the climb to flight level (FL) 310. On passing FL 240 they noticed that the right engine oil pressure was falling slowly but continuously. As a precautionary measure, they shut down the right engine and decided on a diverted landing in Geneva. Air traffic control was informed and an emergency was declared. The landing in Geneva at 12:53 UTC with only one engine running was uneventful.

### Technical investigation

On 10 April 2016, the day after the serious incident, EC-LQF was subjected to an examination in Geneva. During filling of the right engine with fresh engine oil, leakage became visible between the oil pressure pump and the engine housing, caused by a leak from the oil pressure pump seal. On inspecting the oil filter, no unusual residues were found.

The technician removed the oil pressure pump with the defective seal. Since on this model the gasket between the pump and the engine housing cannot be replaced, the technician replaced the complete oil pressure pump. During the ensuing static test of the engine no further oil loss could be detected.

Bern, 12 December 2017

Swiss Transportation Safety Investigation Board