

Type: Major Event

Aircraft: EMB-505	Model: EMB-505	Serial Number: 50500309
Marks: N386QS	Operator: NETJETS SALES, INC	Occurrence Date: 16/Jun/2019
Ata: 29	Time:	Number of Persons Aboard: Not Available
Aircraft Damages:		
Site: PITTSBURGH INTL - PITTSBURGH - PA - UNITED STATES		
Injuries: <input checked="" type="checkbox"/> None Light: 0 Serious: 0 Fatal: 0		

Occurrence Description:

Report of hydraulic system fault followed by uncommanded engine 1 IFSD
 The flight crew reported "HYD SYS FAULT" followed by "ENG NO DISPATCH" advisory messages on EICAS around flight level 350. Descending through the flight level 240, they faced an uncommanded engine 1 IFSD. The flight crew followed the QRH procedure and unsuccessfully tried to restart the engine 1. They then proceeded to the destination airport where an uneventful single engine landing was performed.

The technicians found the spline which connects the hydraulic engine driven pump (EDP) to the engine 1 gearbox damaged. The EDP 1 was removed and replaced. The aircraft owner and the engine manufacturer also decided to remove and replace the engine 1.

ADDITIONAL INFORMATION:

The engine 1 FMU was also removed and replaced during the troubleshooting.