

**Occurrence Communication:** Oc00161-2020      **Date:** 17/Sep/2020

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**Type:** /

<b>Aircraft:</b> EMB-145	<b>Model:</b> EMB-135 BJ	<b>Serial Number:</b> 14500549
<b>Marks:</b> RA-02857	<b>Operator:</b> RUSJET	<b>Occurrence Date:</b> 04/Aug/2020
<b>Ata:</b> 72	<b>Time:</b>	<b>Number of Persons Aboard:</b> Not Available
<b>Aircraft Damages:</b>		
<b>Site:</b> NOT AVAILABLE		
<b>Injuries:</b> <input checked="" type="checkbox"/> None <b>Light:</b> 0 <b>Serious:</b> 0 <b>Fatal:</b> 0		

**Occurrence Description:**

Report of engine 2 uncommanded OGSD during takeoff  
Flight crew reported they felt the plane's evasion to the right, they noticed a N1 decrease in the EICAS followed by a spontaneous engine shutdown of RH engine CAE312220.  
DFDR data confirmed the sudden drop in N1 and N2, without any change in TLA. The CMC did reveal an "ENG 2 OIL DEBRIS" message, followed by metallic debris on the indicating and non-indicating plugs in the oil tank.  
Maintenance confirmed that N1 rotates freely but N2 does not. Borescope identified damage to bevel gear, speed sensor, bearings, etc. Hydraulic pump shaft also fractured.