

Read Leah

From: Budinski Michael
Sent: Tuesday, October 8, 2019 5:24 PM
To: Read Leah
Subject: ERA18LA195--Materials Laboratory Email Report
Attachments: Number 2 cylinder studs.jpg

Location: Ider, AL
Accident number: ERA18LA195
Accident date: 07/18/2018
Accident vehicle: Eagle DW1 (N8805X)

Component examined: Images of number 2 cylinder separation and associated studs.

The attached photograph and table below shows the numerical stud location and the mode of failure.

Stud location	Stud failure mode
1	Fatigue fracture
2	Thread pullout
3	Unknown
4	Fatigue fracture
5	Fatigue fracture
6	Fatigue fracture
7	Fatigue fracture
8	Fatigue fracture

--Mike B.

Mike Budinski

Chief, Materials Laboratory Division

National Transportation Safety Board

Office of Research and Engineering

Materials Laboratory Division

Washington, DC 20594

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