

CEN23FA071

AIRWORTHINESS

Group Chair's Factual Report - Attachment 1
Hydraulic Fluid Analysis Results

CONTACTS

ADMINISTRATION

TECHNICIAN

SALES

Online results

SAMPLE

23T41725

Sampling date:	12/29/2022	Equipment (km/h):	0
Reception date:	10/06/2023	Lubricant (km/h):	0
Diagnosis date:	10/11/2023	Top-up (l):	0
Lubricant in use:	Test suite: SPUN+S800+WCT		

References

EQUIPMENT 02210206/BHY

Equipment description:

Bell 407/N595RL

Component description:

Hydraulic

Fleet no / Ref.:

Ref ID: CEN23FA071

DIAGNOSIS

Results appear typical of MIL-H-5606 fluid with possible saltwater contamination, due to sodium level. Sample appearance is cloudy.

National Transportation Safety Board

McAtee Nancy

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DC 20594 Washington

USA

TESTS

RESULTS

Metals and Cont. by ICP D5185M

Iron ppm	1
Aluminium ppm	3
Chromium ppm	1
Copper ppm	<1
Lead ppm	<1
Tin ppm	1
Nickel ppm	<1
Silver ppm	<0.1
Silicon ppm	1
Sodium ppm	26
Boron ppm	1
Zinc ppm	6
Phosphorus ppm	603
Calcium ppm	2
Magnesium ppm	4
Barium ppm	2
Molybdenum ppm	<1
Potassium ppm	<4
Antimony ppm	<1
Sulphur ppm	106
Titanium ppm	<1
Vanadium ppm	<1
Manganese ppm	<1
Cadmium ppm	<1

Kin. Viscosity @ 40°C D445M

Viscosity 40 °C cSt	10.67
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Water by Crackle

Water content %	1.0
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