

# National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



CEN22FA317

## **AIRWORTHINESS**

Group Chair's Factual Report - Attachment #1

Typical Oil Sample Report Provided by Jet-Care

December 8, 2023



Spectro | Jet-Care

Equipment Information

**NORMAL**

Telephone 01256 704000  
 Laboratory Report Reference  
 Laboratory Report Date  
 Receipt Date  
 Sample Date §

Purchase/Works Order # §  
 PO123456

Registration § ABCD123  
 Position §  
 Description § Description 2  
 Manufacturer §  
 Model § T53-17A  
 Serial Number § S123456  
 Customer Reference § XYZ12356  
 Unique Code CUST.EQUIP  
 Oil Grade §  
 Unit Life §  
 Oil/Fluid Life §

Comment

'Unit life' information not received, please advise.

Sample Number	1	2	3	4	5	6	7	8	9	10	
Analysis Date											
Sample Date §	-										
Lab Reference											
Unit Life §											
Oil/Fluid Life §	-	-		-							
Oil/Fluid Added §	-				-			-			
Ticket Number §	T123456	T123456	T123456	T123456	T123456	T123456	T123456	T123456	T123456	T123456	
Sampling Point §											
Physical Condition											
Viscosity at 40°C (M002)	cSt   mm2/s	25.2	25.4	25.0	25.2	25.0	25.5	25.5	25.4	25.6	25.3
TAN (M007)	mg KOH/g	0.12	0.15	0.12	0.15	0.12	0.04	0.13	0.11	0.14	0.10
Spectrographic Analysis											
Iron (M019)	ppm	0.6	0.2	0.2	0.1	0.2	0.2	<0.1	<0.1	<0.1	0.3
Aluminum (M019)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium (M019)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum (M019)	ppm	<0.1	0.1	<0.1	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1
Copper (M019)	ppm	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	<0.1	0.1
Lead (M019)	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tin (M019)	ppm	0.1	<0.1	0.1	<0.1	0.1	0.1	<0.1	0.1	<0.1	<0.1
Nickel (M019)	ppm	<0.1	<0.1	0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.1	0.1
Silver (M019)	ppm	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Vanadium (M019)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Titanium (M019)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silicon (M019)	ppm	<1	3	2	2	7	3	4	2	12	10
Sodium (M019)	ppm	<1	<1	<1	<1	1	<1	<1	<1	2	<1
Phosphorus (M019)	ppm	2510.9	2542.5	2529.7	2489.0	2670.9	2531.4	2212.1	2608.2	2537.5	2469.0
Magnesium (M019)	ppm	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tungsten (M019)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium (M019)	ppm	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (M019)	ppm	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3

Key:

- \* early warning
- \*\* advanced warning
- § supplied by customer
- N/A not UKAS/SAS accredited
- ^ subcontracted (1:UK,2:US,3:CH)

**EXAMPLE REPORT**

Jet-Care International Inc. | 3 Saddle Road  
 Cedar Knolls | NJ 07927 | United States  
 T. +1 973 292 9597 | W. www.jet-care.com





Spectro | Jet-Care

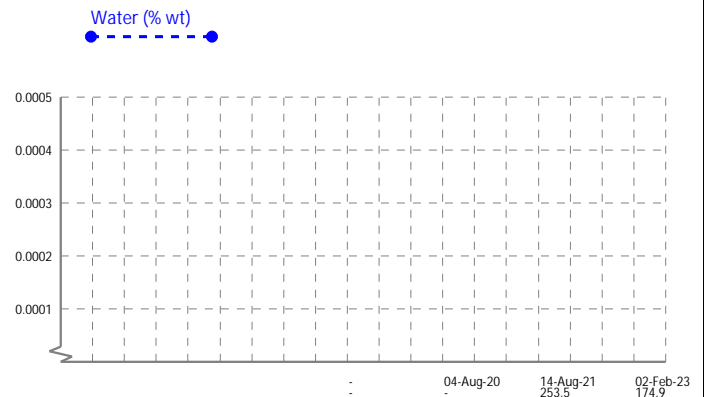
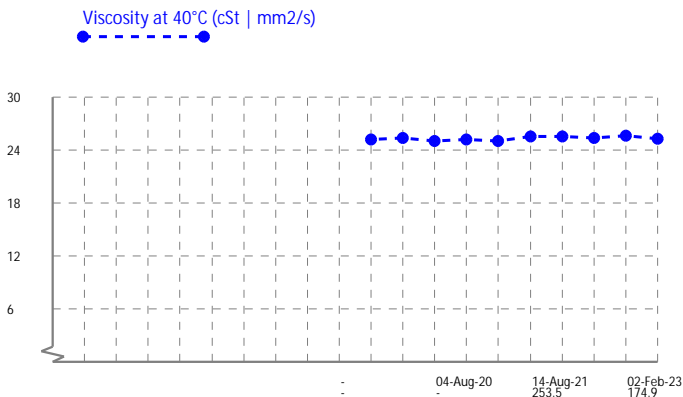
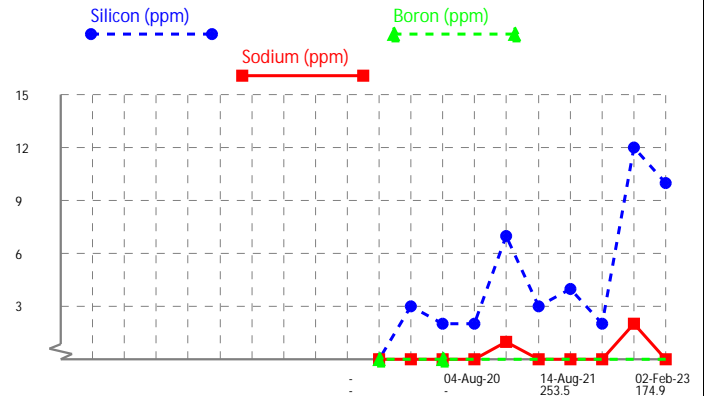
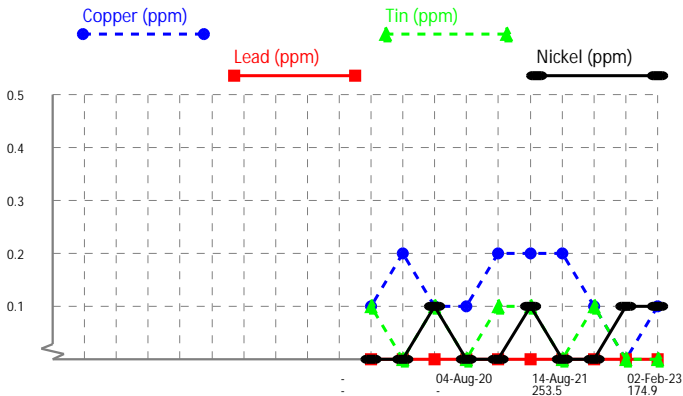
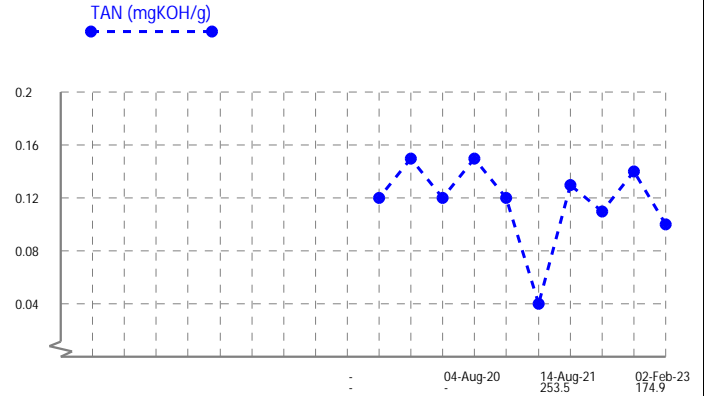
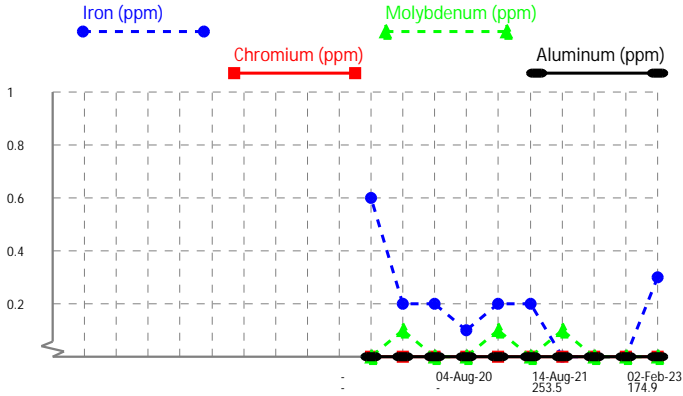
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