



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>SEVERE</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**[N205KS] BELL UH-1H N205KS 42 DEGREE**  
 Component  
**Main Transmission**  
 Fluid  
**MOBIL JET OIL II (--- QTS)**

## RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GF0000703</b>	---	---
Sample Date		Client Info		<b>09 May 2024</b>	---	---
TSN	hrs	Client Info		<b>1734</b>	---	---
TSO	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>86</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>SEVERE</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>25	<b>1</b>	---	---
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	---	---
Lead	ppm	ASTM D5185m		<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

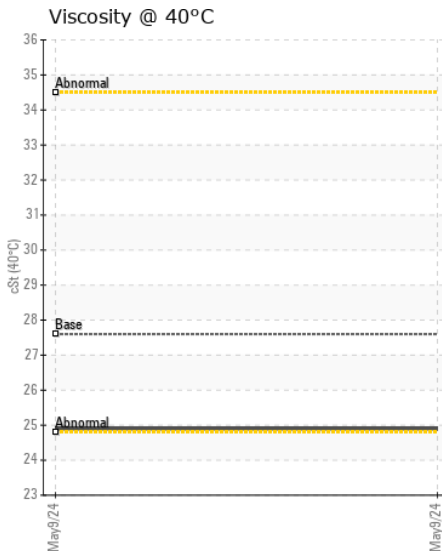
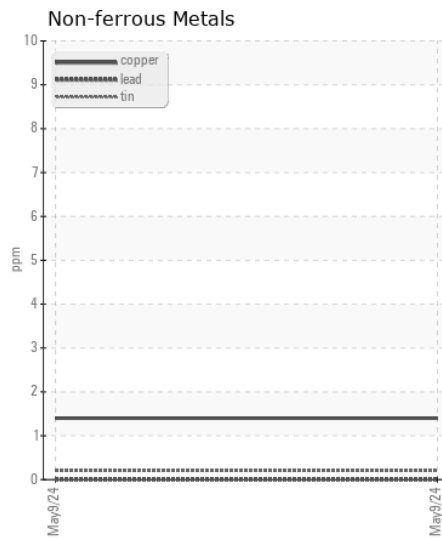
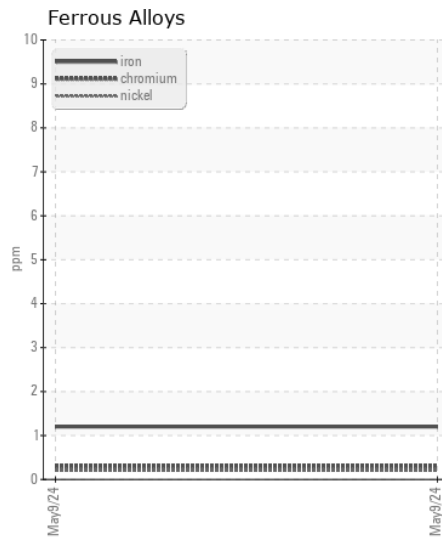
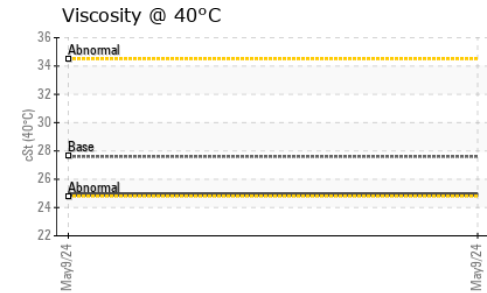
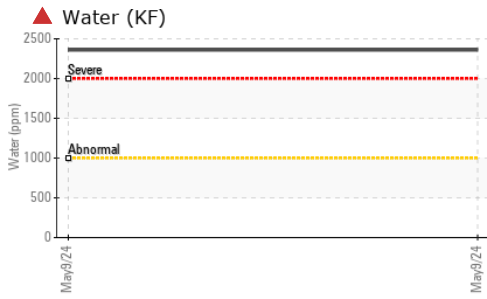
There is a high concentration of water present in the fluid.

Silicon	ppm	ASTM D5185m	>15	<b>2</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---	---
Water	%	ASTM D6304	>.1	<b>▲ 0.236</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>▲ 2360</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>.1	<b>▲ 0.2%</b>	---	---

## FLUID CONDITION

The fluid is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		<b>0</b>	---	---
Boron	ppm	ASTM D5185m		<b>6</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>1</b>	---	---
Calcium	ppm	ASTM D5185m		<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>2863</b>	---	---
Zinc	ppm	ASTM D5185m		<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>0</b>	---	---
Visc @ 40°C	cSt	ASTM D445	27.6	<b>24.9</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : GF0000703

**Lab Number** : 06238639

**Unique Number** : 11127473

**Test Package** : AVI 1 ( Additional Tests: KF )

**Received** : 16 Jul 2024

**Tested** : 19 Jul 2024

**Diagnosed** : 19 Jul 2024 - Jonathan Hester

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)