



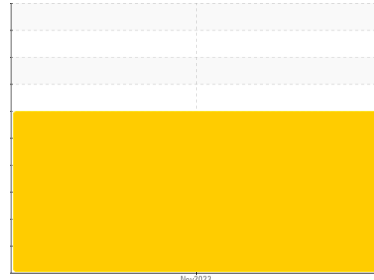
# OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area  
**CHAD STEELE**  
 Machine Id  
**19-064S13-4 1800h**  
 Component  
**Hydraulic System**  
 Fluid  
**NOT GIVEN (--- QTS)**



## DIAGNOSIS

### Recommendation

We recommend an early resample to monitor this condition. We were unable to perform a particle count due to insufficient sample.

### Wear

The copper level is severe.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
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Sample Number	Client Info			<b>WC0837626</b>	---	---
Sample Date	Client Info			<b>14 Nov 2023</b>	---	---
Machine Age	hrs	Client Info		<b>1008</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>SEVERE</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
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Iron	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>75	<b>882</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
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Boron	ppm	ASTM D5185m		<b>62</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>0</b>	---	---
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>233</b>	---	---
Zinc	ppm	ASTM D5185m		<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>682</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
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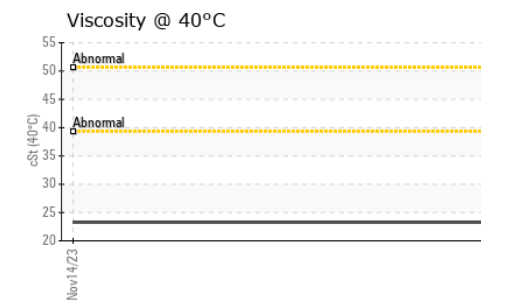
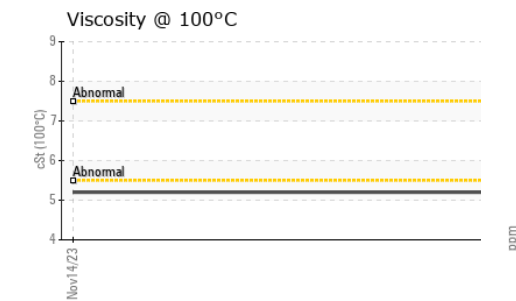
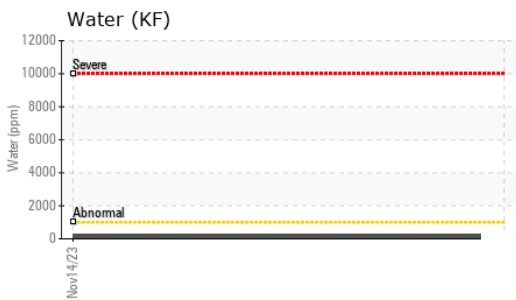
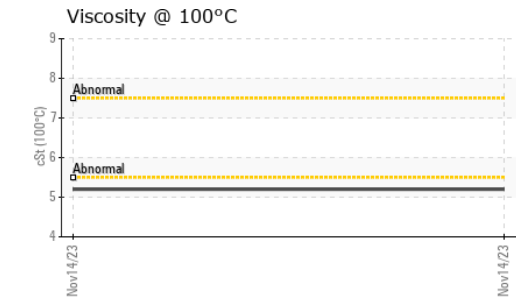
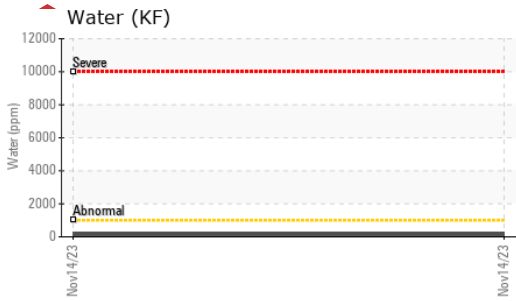
Silicon	ppm	ASTM D5185m	>20	<b>5</b>	---	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water	%	ASTM D6304	>0.1	<b>0.014</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>144.8</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
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Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.465</b>	---	---
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# OIL ANALYSIS REPORT



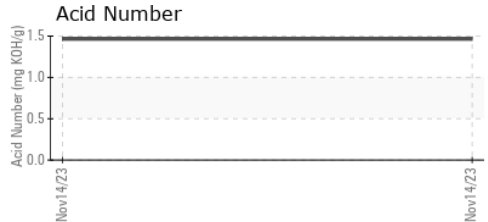
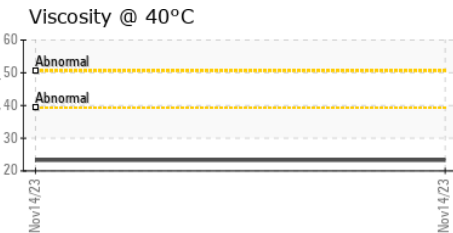
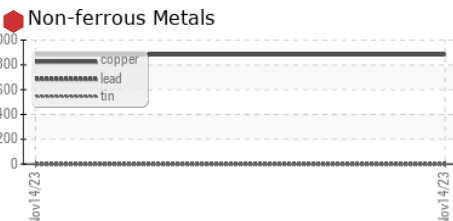
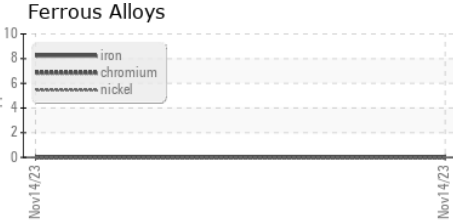
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	23.29	---	---
Visc @ 100°C	cSt	ASTM D445	5.2	---	---
Viscosity Index (VI)	Scale	ASTM D2270	163	---	---

### SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0837626 **Received** : 16 Nov 2023  
**Lab Number** : 06010205 **Diagnosed** : 24 Nov 2023  
**Unique Number** : 10749349 **Diagnostician** : Doug Bogart  
**Test Package** : MOB 2 ( Additional Tests: KF, KV100, VI )

**BASF - TARRYTOWN**  
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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)