

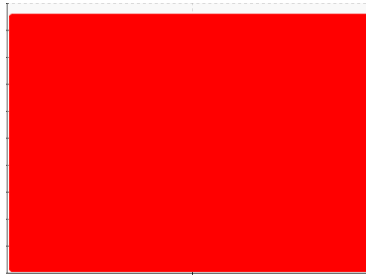


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area
[JOHNNY NUCKOUS]
 Machine Id
JCB 1CXT 3176467
 Component
Hydraulic System
 Fluid
{not provided} (18 GAL)



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to metal particles present in this sample.

Wear

The aluminum level is abnormal. Very high concentration of visible metal present. High wear metal levels reflect the reported failure.

Contamination

Appearance is hazy. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
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Sample Number	Client Info			JCB005513	---	---
Sample Date	Client Info			17 Apr 2023	---	---
Machine Age	hrs	Client Info		24	---	---
Oil Age	hrs	Client Info		24	---	---
Oil Changed	Client Info			Changed	---	---
Sample Status				SEVERE	---	---

CONTAMINATION		method	limit/base	current	history1	history2
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Water	WC Method		>0.1	NEG	---	---
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WEAR METALS		method	limit/base	current	history1	history2
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Iron	ppm	ASTM D5185m	>20	6	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	▲ 11	---	---
Lead	ppm	ASTM D5185m	>10	0	---	---
Copper	ppm	ASTM D5185m	>75	29	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES		method	limit/base	current	history1	history2
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Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		17	---	---
Calcium	ppm	ASTM D5185m		41	---	---
Phosphorus	ppm	ASTM D5185m		343	---	---
Zinc	ppm	ASTM D5185m		417	---	---
Sulfur	ppm	ASTM D5185m		912	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
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Silicon	ppm	ASTM D5185m	>20	1	---	---
Sodium	ppm	ASTM D5185m		3	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---

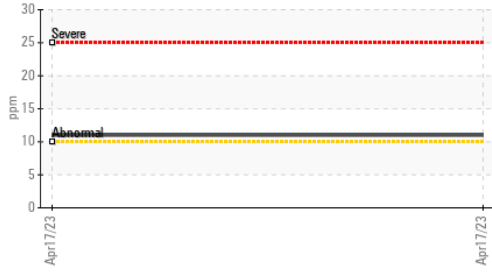
FLUID DEGRADATION		method	limit/base	current	history1	history2
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Acid Number (AN)	mg KOH/g	ASTM D8045		0.40	---	---
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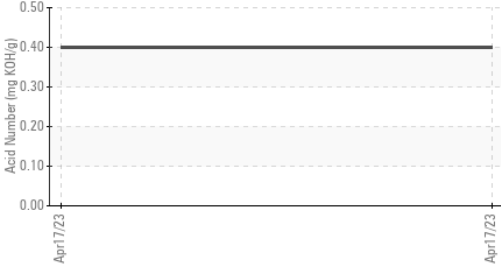


OIL ANALYSIS REPORT

▲ Aluminum (ppm)



Acid Number



Viscosity @ 40°C



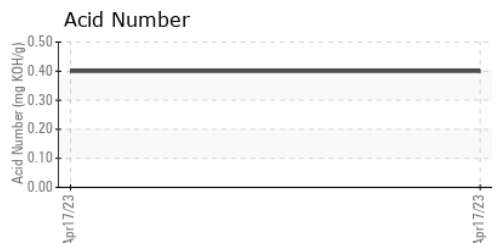
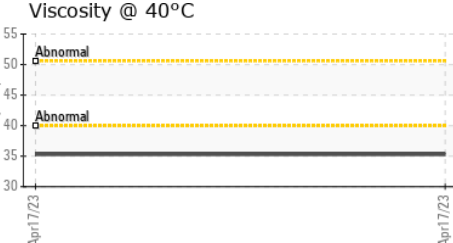
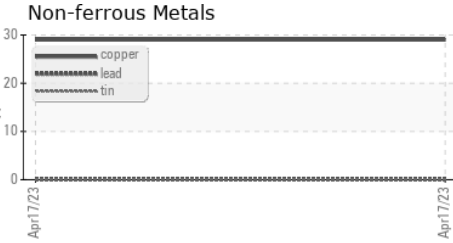
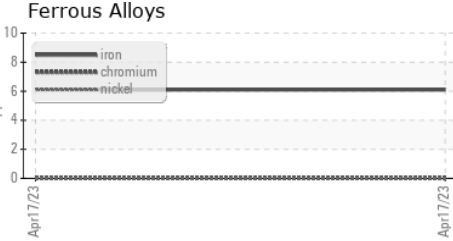
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	🔴 VHEVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	▲ HAZY	---
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	35.3	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JCB005513 **Received** : 24 Apr 2023
Lab Number : 05828381 **Diagnosed** : 27 Apr 2023
Unique Number : 10441874 **Diagnostician** : Jonathan Hester
Test Package : MOB 2

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 US 92336
 Contact: ROYCE BENNETT
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 T:
 F: (909)428-9620

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)