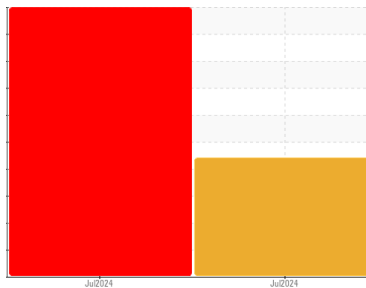




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
JCB 3TS 3234220
 Component
Hydraulic System
 Fluid
 {not provided} (15 GAL)

DIAGNOSIS

▲ Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JCB005687	JCB005715	---
Sample Date	Client Info		16 Jul 2024	15 Jul 2024	---
Machine Age	hrs	Client Info	925	925	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	18	13	---
Chromium	ppm	ASTM D5185m >10	<1	<1	---
Nickel	ppm	ASTM D5185m >10	0	0	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Silver	ppm	ASTM D5185m	<1	<1	---
Aluminum	ppm	ASTM D5185m >10	4	4	---
Lead	ppm	ASTM D5185m >10	4	3	---
Copper	ppm	ASTM D5185m >75	26	15	---
Tin	ppm	ASTM D5185m >10	<1	<1	---
Vanadium	ppm	ASTM D5185m	<1	<1	---
Cadmium	ppm	ASTM D5185m	<1	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	4	3	---
Barium	ppm	ASTM D5185m	<1	<1	---
Molybdenum	ppm	ASTM D5185m	<1	<1	---
Manganese	ppm	ASTM D5185m	0	0	---
Magnesium	ppm	ASTM D5185m	64	63	---
Calcium	ppm	ASTM D5185m	187	182	---
Phosphorus	ppm	ASTM D5185m	307	305	---
Zinc	ppm	ASTM D5185m	436	426	---
Sulfur	ppm	ASTM D5185m	1143	1132	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	7	3	---
Sodium	ppm	ASTM D5185m	0	0	---
Potassium	ppm	ASTM D5185m >20	3	2	---

FLUID CLEANLINESS

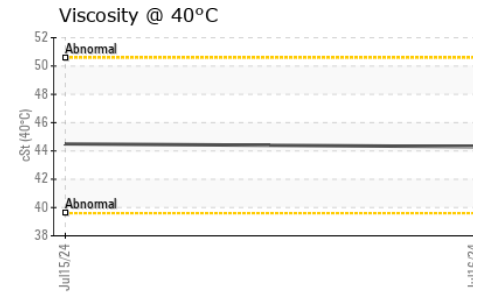
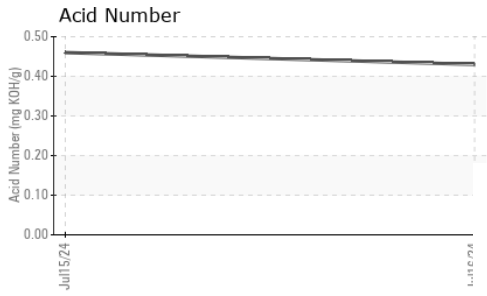
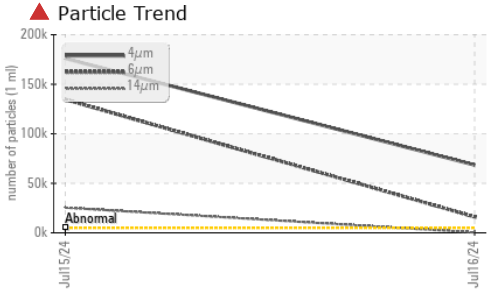
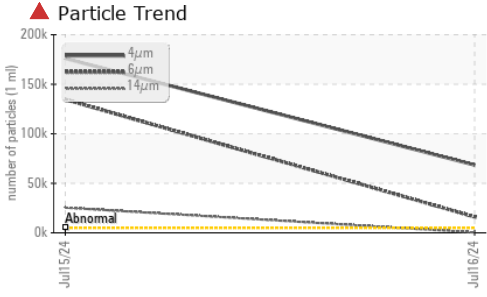
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 68476	▲ 176039	---
Particles >6µm	ASTM D7647	>1300	▲ 16046	▲ 134695	---
Particles >14µm	ASTM D7647	>160	▲ 341	▲ 25403	---
Particles >21µm	ASTM D7647	>40	● 63	▲ 4940	---
Particles >38µm	ASTM D7647	>10	3	▲ 101	---
Particles >71µm	ASTM D7647	>3	0	▲ 6	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 23/21/16	▲ 25/24/22	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.43	0.46	---



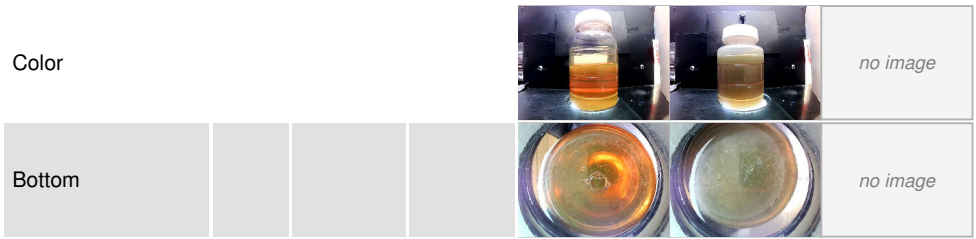
OIL ANALYSIS REPORT



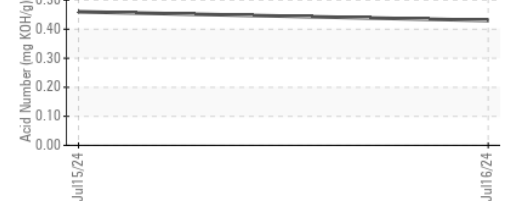
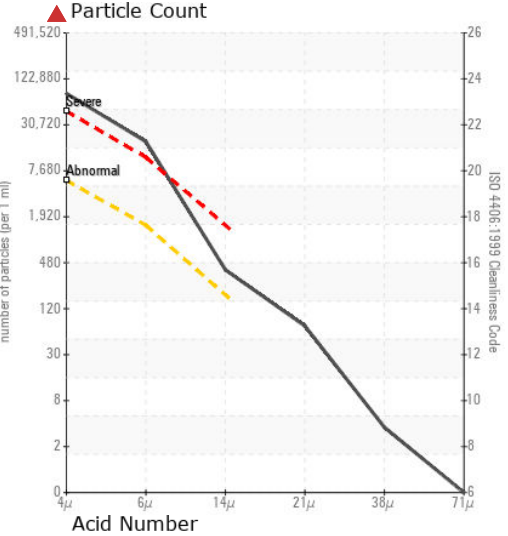
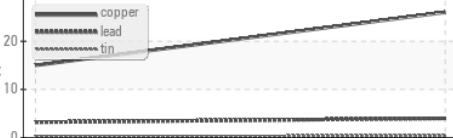
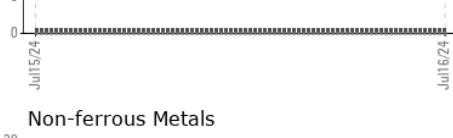
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	44.3	44.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JCB005687 **Received** : 18 Jul 2024
Lab Number : 06240234 **Tested** : 19 Jul 2024
Unique Number : 11129068 **Diagnosed** : 19 Jul 2024 - Wes Davis
Test Package : MOB 2

BRIGGS JCB - TAMPA
 DBA BRIGGS JCB, 8215 PALM RIVER RD
 TAMPA, FL
 US 33619
 Contact: MARK HARRISON
 MARK.HARRISON@BRIGGSEQUIPMENT.COM

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)