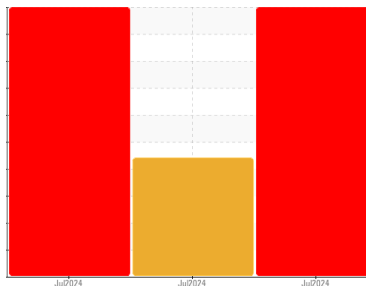




OIL ANALYSIS REPORT

Sample Rating Trend



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

DIAGNOSIS

▲ Recommendation

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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. 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 particulates (2 to 100 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			JCB005688	JCB005687	JCB005715
Sample Date	Client Info			17 Jul 2024	16 Jul 2024	15 Jul 2024
Machine Age	hrs	Client Info		925	925	925
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	19	18	13
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>10	4	4	4
Lead	ppm	ASTM D5185m	>10	4	4	3
Copper	ppm	ASTM D5185m	>75	28	26	15
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	4	3
Barium	ppm	ASTM D5185m		<1	<1	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		63	64	63
Calcium	ppm	ASTM D5185m		186	187	182
Phosphorus	ppm	ASTM D5185m		300	307	305
Zinc	ppm	ASTM D5185m		431	436	426
Sulfur	ppm	ASTM D5185m		1102	1143	1132

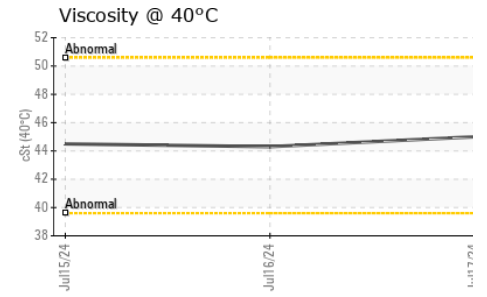
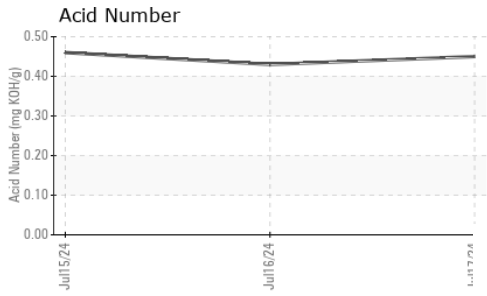
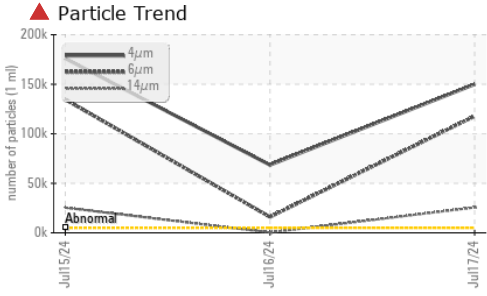
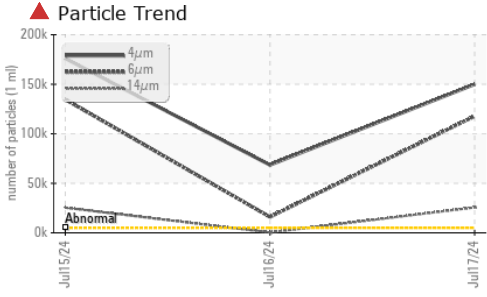
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7	7	3
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	3	3	2

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 149948	▲ 68476	▲ 176039	
Particles >6µm	ASTM D7647	>1300	▲ 117815	▲ 16046	▲ 134695	
Particles >14µm	ASTM D7647	>160	▲ 25617	▲ 341	▲ 25403	
Particles >21µm	ASTM D7647	>40	▲ 5318	● 63	▲ 4940	
Particles >38µm	ASTM D7647	>10	▲ 113	3	▲ 101	
Particles >71µm	ASTM D7647	>3	▲ 6	0	▲ 6	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 24/24/22	▲ 23/21/16	▲ 25/24/22	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.45	0.43	0.46



OIL ANALYSIS REPORT



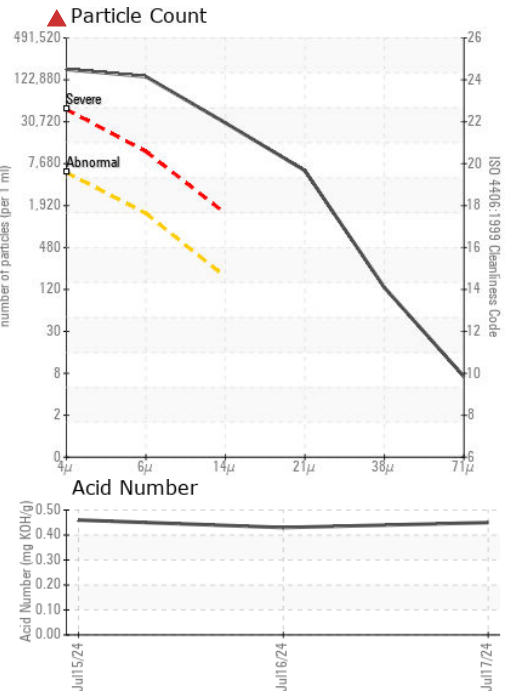
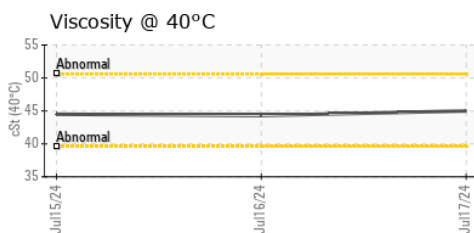
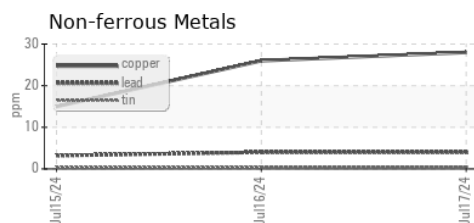
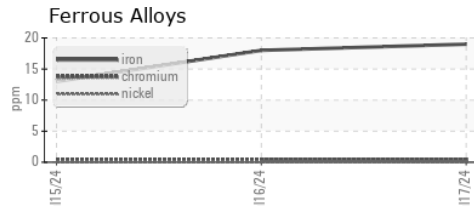
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.0	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. : JCB005688
Lab Number : 06240235
Unique Number : 11129069
Test Package : MOB 2
Received : 18 Jul 2024
Tested : 19 Jul 2024
Diagnosed : 19 Jul 2024 - Wes Davis

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)