



# OIL ANALYSIS REPORT

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

Machine Id  
**JCB 506-36 3267861**  
 Component  
**Transmission (Manual)**  
 Fluid  
**JCB (4 GAL)**

## RECOMMENDATION

Recommend drain fluid if not already done and flush before refilling with fluid. Resample at the next service interval to monitor.

## WEAR

Moderate concentration of visible fine non-magnetic metal present. Metal levels are acceptable for a new component breaking in.

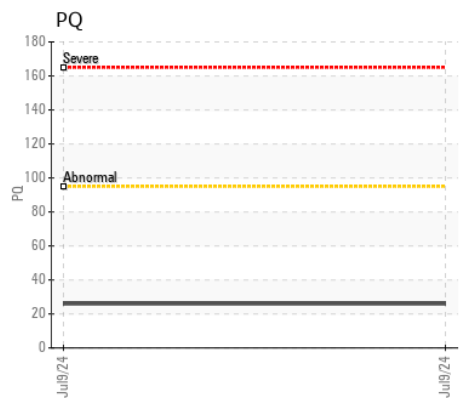
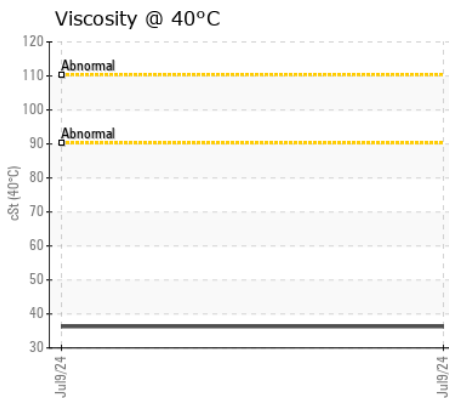
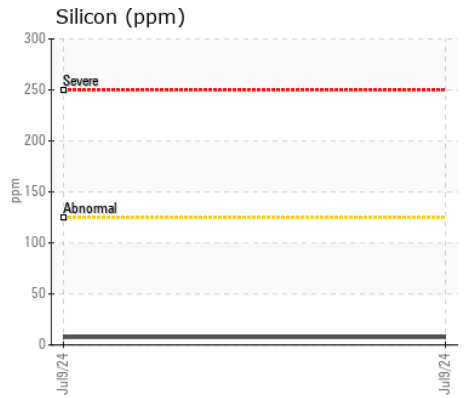
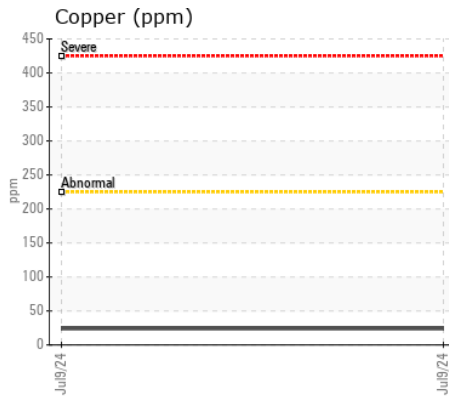
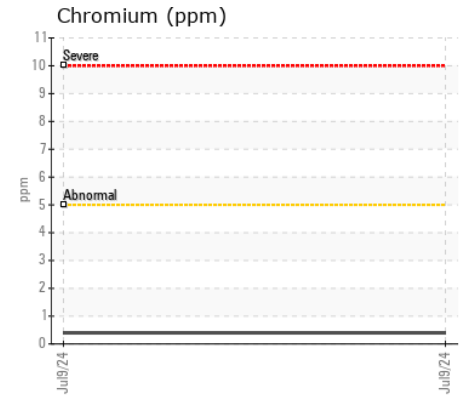
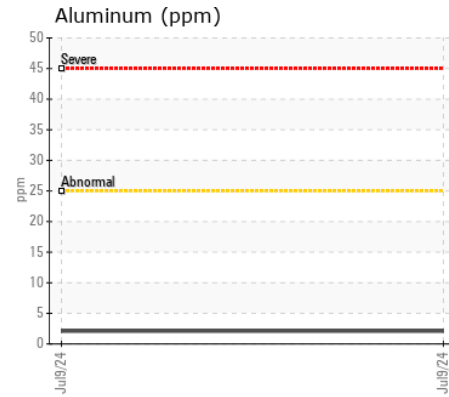
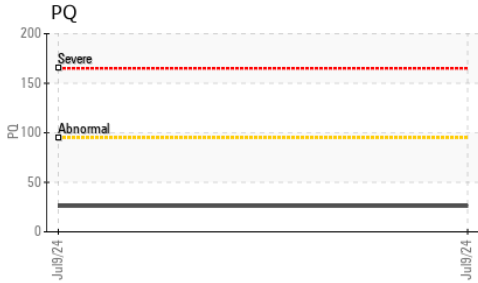
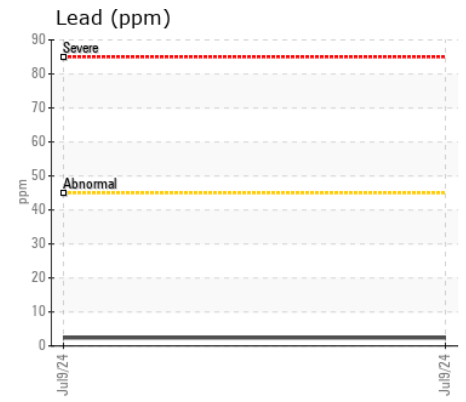
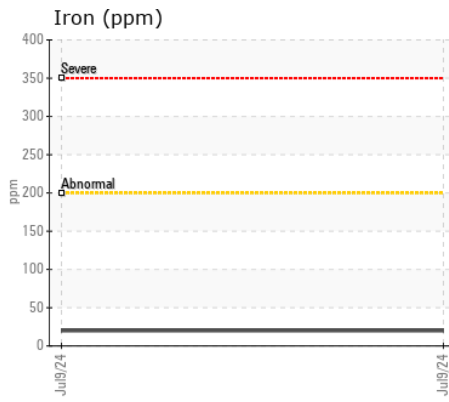
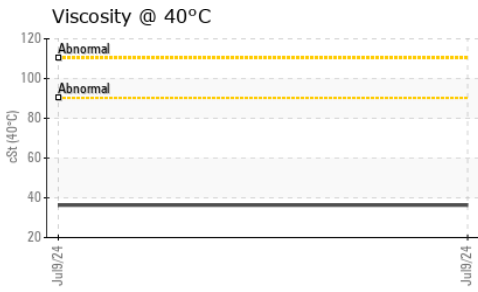
## CONTAMINATION

High concentration of visible dirt/debris present in the fluid. Seal material?

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JCB002530	---	---
Sample Date		Client Info		09 Jul 2024	---	---
Machine Age	hrs	Client Info		279	---	---
Oil Age	hrs	Client Info		279	---	---
Filter Age	hrs	Client Info		279	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184	>95	26	---	---
Iron	ppm	ASTM D5185m	>200	20	---	---
Chromium	ppm	ASTM D5185m	>5	<1	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>7	0	---	---
Aluminum	ppm	ASTM D5185m	>25	2	---	---
Lead	ppm	ASTM D5185m	>45	2	---	---
Copper	ppm	ASTM D5185m	>225	24	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	▲ MODER	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>125	8	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ HEAVY	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Sodium	ppm	ASTM D5185m		<1	---	---
Boron	ppm	ASTM D5185m		4	---	---
Barium	ppm	ASTM D5185m		3	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		10	---	---
Calcium	ppm	ASTM D5185m		2720	---	---
Phosphorus	ppm	ASTM D5185m		992	---	---
Zinc	ppm	ASTM D5185m		1142	---	---
Sulfur	ppm	ASTM D5185m		6236	---	---
Visc @ 40°C	cSt	ASTM D445		36.3	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JCB002530 **Received** : 15 Jul 2024  
**Lab Number** : 06236473 **Tested** : 16 Jul 2024  
**Unique Number** : 11125307 **Diagnosed** : 16 Jul 2024 - Doug Bogart  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**JCB OF CHATTANOOGA - CHATTANOOGA**  
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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)