



# OIL ANALYSIS REPORT

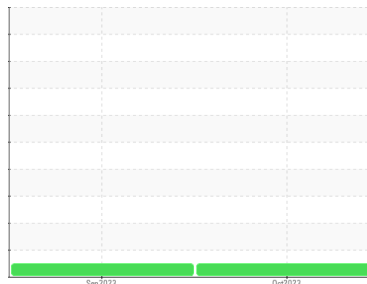
Sample Rating Trend

**NORMAL**



Area  
**[PERFORMANCE LG]**  
Machine Id  
**CASE IH STEIGER 600W ZDF135798**

Component  
**Diesel Engine**  
Fluid  
**CASE CASE IH NO.1 SAE 15W40 (8 GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JCB005582</b>	JCB005700	---
Sample Date	Client Info		<b>31 Oct 2023</b>	30 Sep 2023	---
Machine Age	hrs	Client Info	<b>0</b>	8295	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>13</b>	29	---
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >20	<b>4</b>	0	---
Lead	ppm	ASTM D5185m >40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >330	<b>35</b>	131	---
Tin	ppm	ASTM D5185m >15	<b>1</b>	2	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>51</b>	37	---
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185m	<b>71</b>	50	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>506</b>	479	---
Calcium	ppm	ASTM D5185m	<b>1968</b>	1696	---
Phosphorus	ppm	ASTM D5185m	<b>1086</b>	737	---
Zinc	ppm	ASTM D5185m 1700	<b>1323</b>	840	---
Sulfur	ppm	ASTM D5185m	<b>3563</b>	2098	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>9</b>	13	---
Sodium	ppm	ASTM D5185m	<b>10</b>	5	---
Potassium	ppm	ASTM D5185m >20	<b>7</b>	8	---

## INFRA-RED

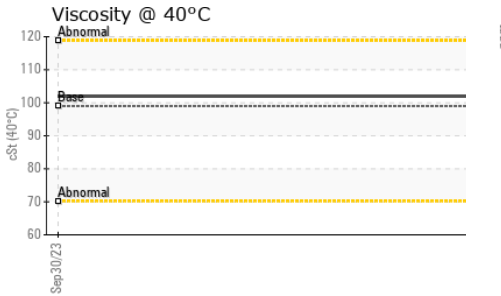
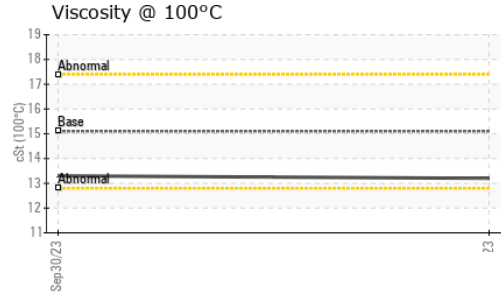
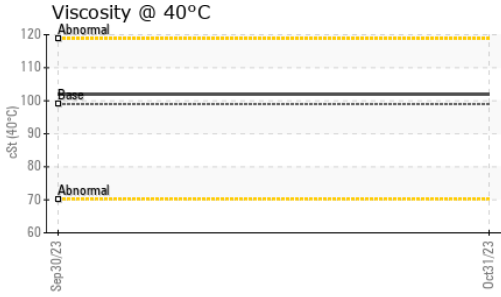
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.2</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>9.6</b>	11.0	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>22.9</b>	23.0	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>21.4</b>	23.0	---
Base Number (BN)	mg KOH/g	ASTM D2896 11.5	<b>7.8</b>	7.4	---



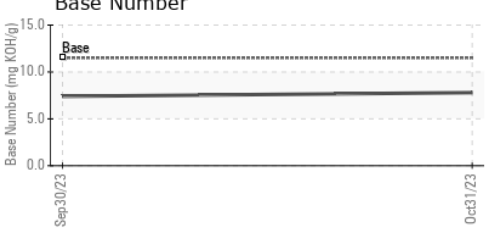
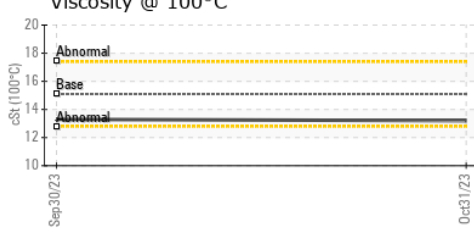
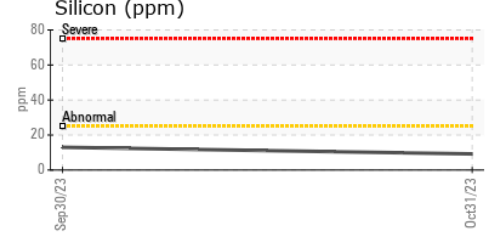
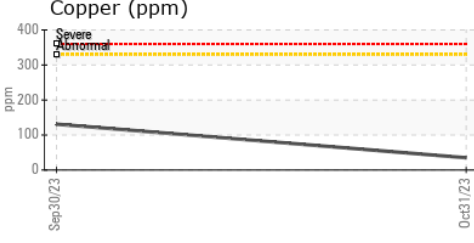
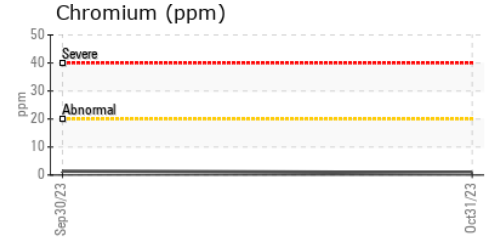
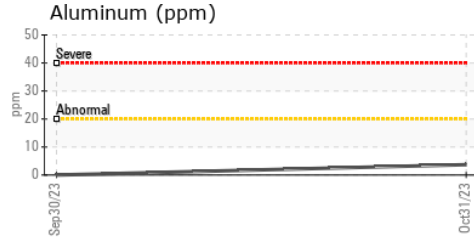
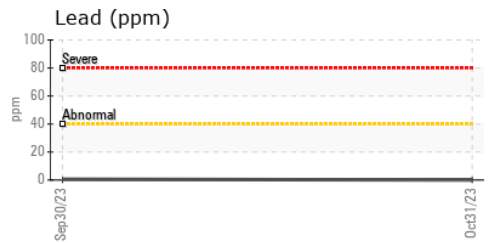
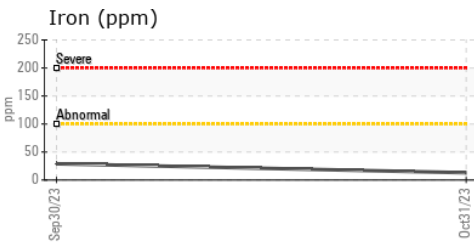
# OIL ANALYSIS REPORT



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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99	102	---
Visc @ 100°C	cSt	ASTM D445	15.1	13.2	---
Viscosity Index (VI)	Scale	ASTM D2270	143	126	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JCB005582 **Received** : 01 Nov 2023  
**Lab Number** : 05995448 **Diagnosed** : 02 Nov 2023  
**Unique Number** : 10723808 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: KV40, TBN, VI )

**JCB OF SOUTHERN CALIFORNIA - FONTANA**  
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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)