



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**TEREX RT230 RT3892 (S/N 13892)**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL 10W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>HPL0002611</b>	HPL0001704	---
Sample Date		Client Info		<b>05 Jan 2024</b>	15 Sep 2022	---
Machine Age	hrs	Client Info		<b>9440</b>	9230	---
Oil Age	hrs	Client Info		<b>0</b>	500	---
Filter Age	hrs	Client Info		<b>0</b>	500	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>7</b>	17	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>5</b>	4	---
Lead	ppm	ASTM D5185m	>40	<b>4</b>	6	---
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

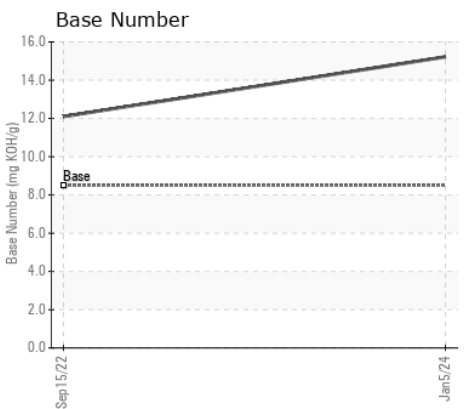
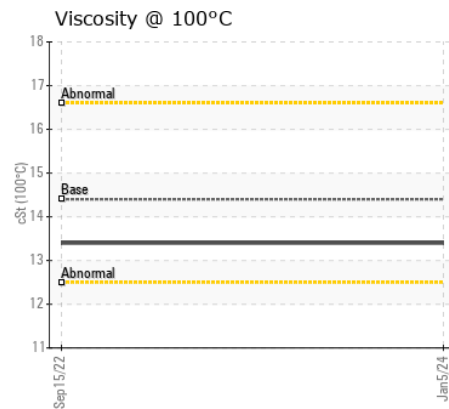
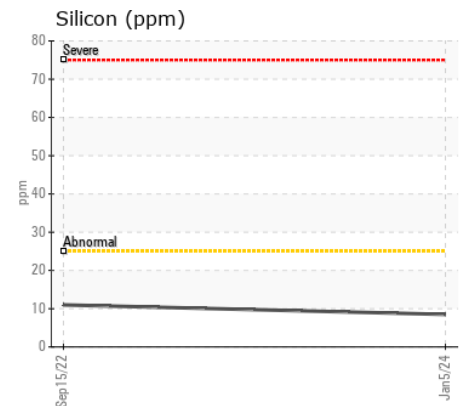
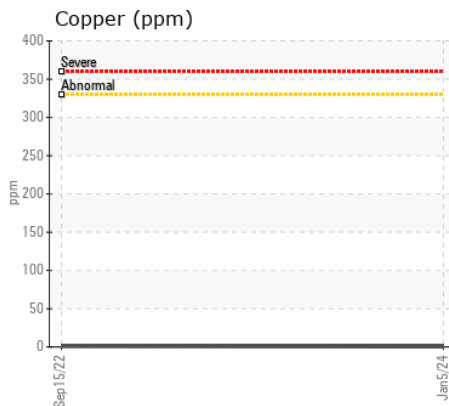
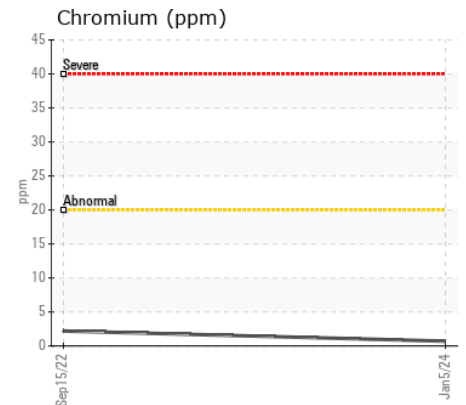
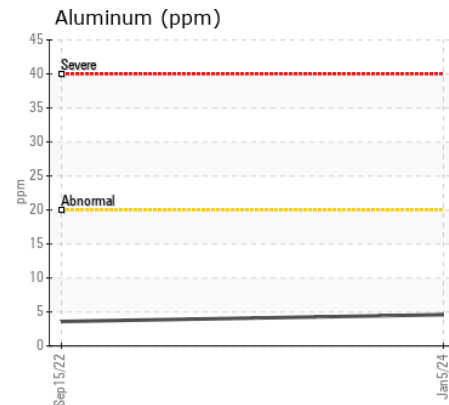
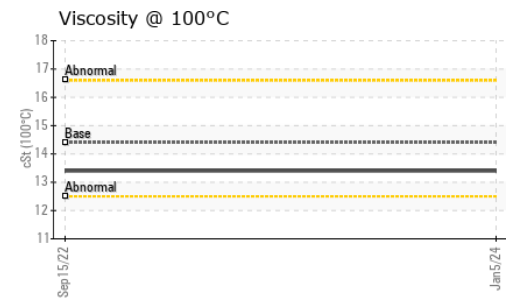
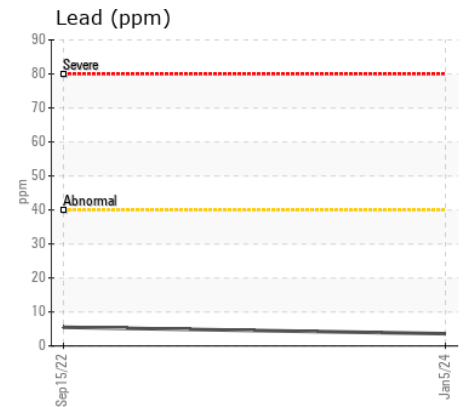
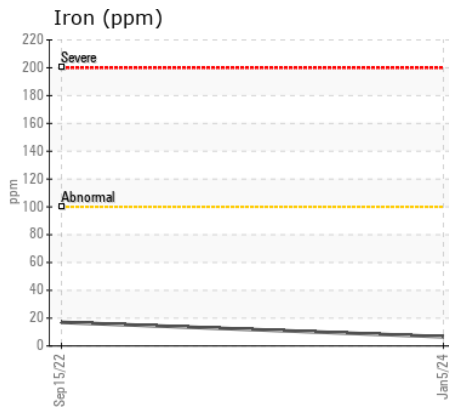
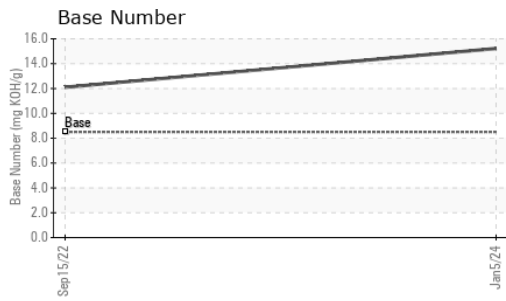
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	11	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.2</b>	10.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>35.3</b>	30.7	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## 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.

Sodium	ppm	ASTM D5185m		<b>1</b>	<1	---
Boron	ppm	ASTM D5185m	250	<b>18</b>	232	---
Barium	ppm	ASTM D5185m	10	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m	100	<b>522</b>	658	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	450	<b>904</b>	485	---
Calcium	ppm	ASTM D5185m	3000	<b>2436</b>	4142	---
Phosphorus	ppm	ASTM D5185m	1150	<b>1002</b>	862	---
Zinc	ppm	ASTM D5185m	1350	<b>1166</b>	1070	---
Sulfur	ppm	ASTM D5185m	4250	<b>8657</b>	22146	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>37.5</b>	21.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>15.22</b>	12.1	---
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.4</b>	13.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : HPL0002611 **Received** : 08 Jan 2024  
**Lab Number** : 06054142 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10820091 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 2

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)

**STEVENS ON CRANE**  
 410 STEVENSON DR  
 BOLINGBROOK, IL  
 US 60440  
 Contact: DAVE KOEHNE  
 davidk@stevensoncrane.com  
 T: (630)972-9199  
 F: