



# OIL ANALYSIS REPORT

Sample Rating Trend

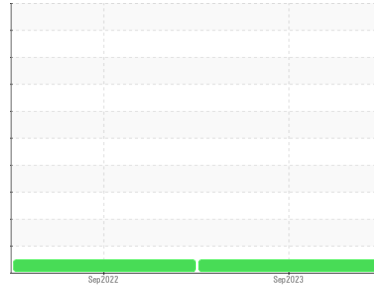
**NORMAL**



Machine Id  
**TORO 5800-G 5800 SPRAYER (S/N 403442799)**

Component  
**Diesel Engine**

Fluid  
**TRC PRO-SPEC IV XP SYN BLEND SAE 10W30 (14 GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### 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>TR05967947</b>	TR05652804	---
Sample Date	Client Info		<b>18 Sep 2023</b>	20 Sep 2022	---
Machine Age	hrs	Client Info	<b>872</b>	639	---
Oil Age	hrs	Client Info	<b>452</b>	219	---
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	---
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>18</b>	10	---
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m >4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >20	<b>3</b>	2	---
Lead	ppm	ASTM D5185m >40	<b>78</b>	68	---
Copper	ppm	ASTM D5185m >330	<b>5</b>	3	---
Tin	ppm	ASTM D5185m >15	<b>4</b>	2	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>1</b>	0	---
Barium	ppm	ASTM D5185m	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m	<b>96</b>	97	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>20</b>	16	---
Calcium	ppm	ASTM D5185m	<b>3226</b>	3312	---
Phosphorus	ppm	ASTM D5185m	<b>754</b>	749	---
Zinc	ppm	ASTM D5185m	<b>936</b>	920	---
Sulfur	ppm	ASTM D5185m	<b>3650</b>	4299	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>12</b>	9	---
Sodium	ppm	ASTM D5185m	<b>23</b>	11	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	0	---

## INFRA-RED

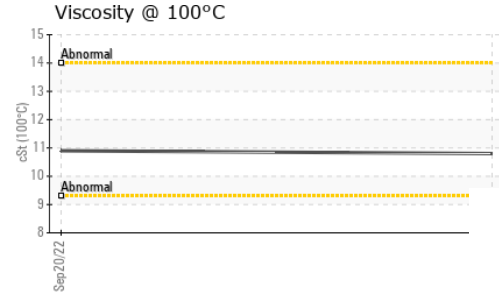
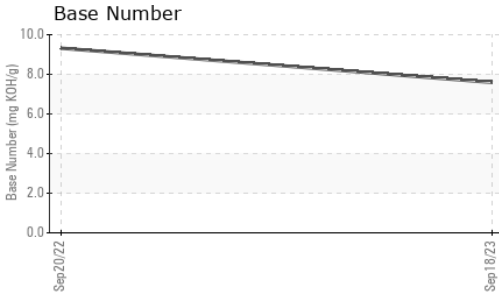
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>13.1</b>	11.5	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>27.1</b>	24.1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>22.4</b>	16.9	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>7.59</b>	9.32	---



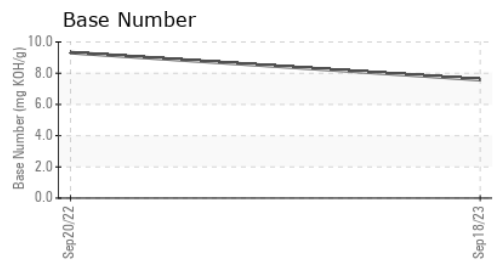
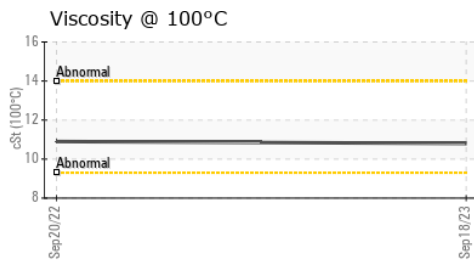
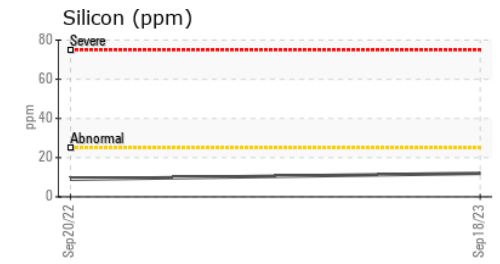
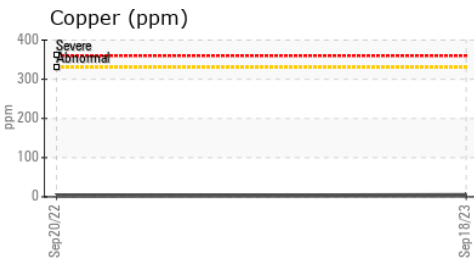
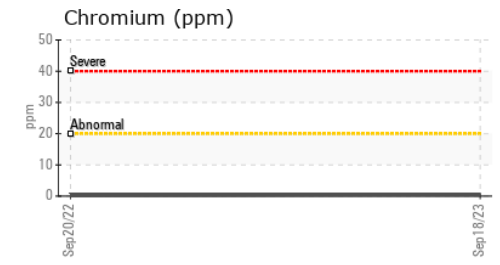
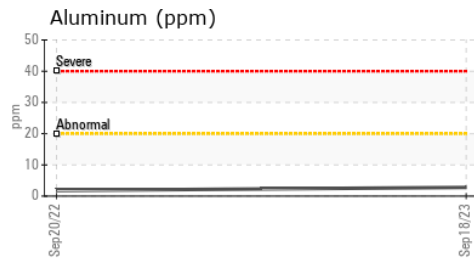
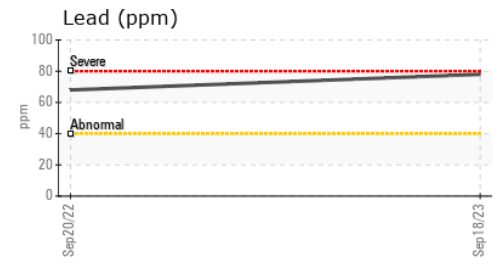
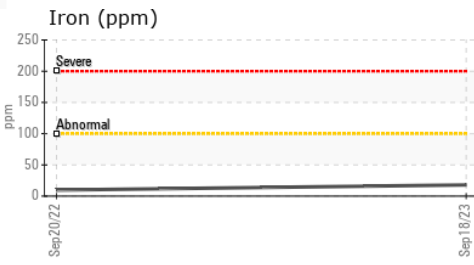
# OIL ANALYSIS REPORT



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 @ 100°C	cSt	ASTM D445	<b>10.8</b>	10.9	---

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR05967947 **Received** : 03 Oct 2023  
**Lab Number** : **05967947** **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10674498 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2

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Certificate L2367  
 To discuss this sample report, contact Customer Service at 1-800-827-0711.  
 \* - 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)