



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**2942**  
Component  
**Diesel Engine**  
Fluid  
**SAE 10W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0553467	---	---
Sample Date		Client Info		30 May 2024	---	---
Machine Age	kms	Client Info		51249	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

## WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>90	36	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	9	---	---
Lead	ppm	ASTM D5185(m)	>40	2	---	---
Copper	ppm	ASTM D5185(m)	>330	22	---	---
Tin	ppm	ASTM D5185(m)	>15	2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

## CONTAMINATION

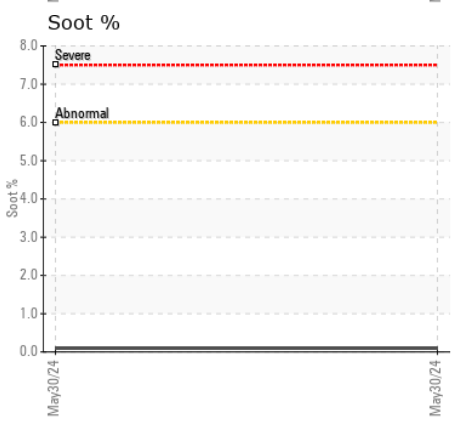
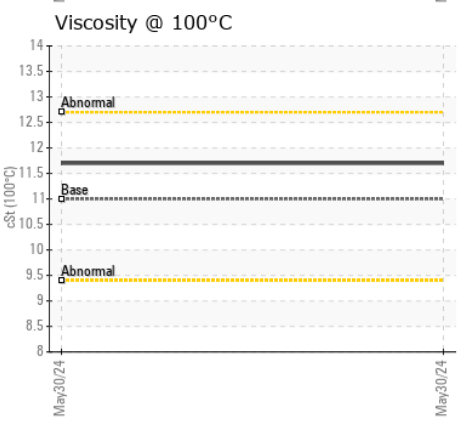
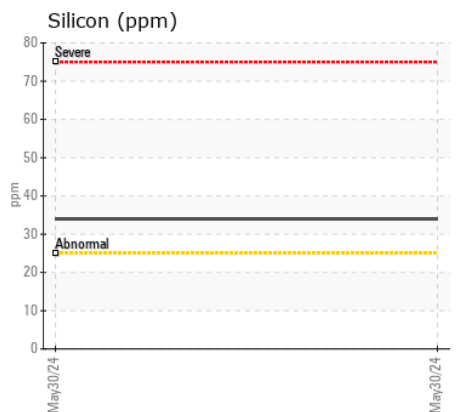
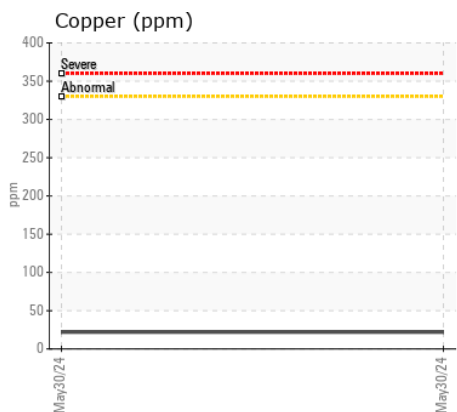
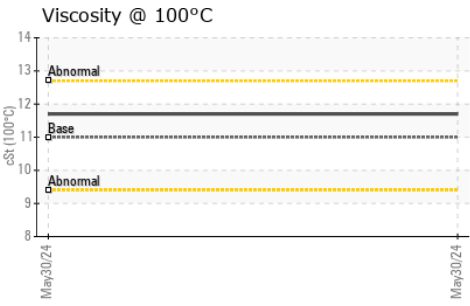
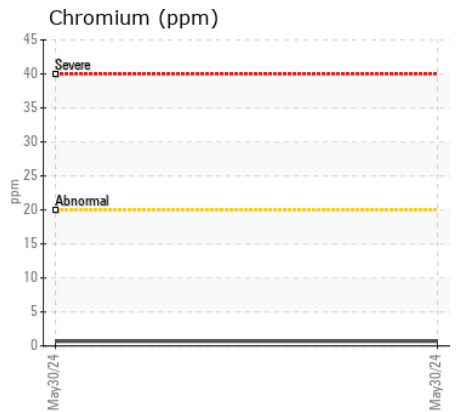
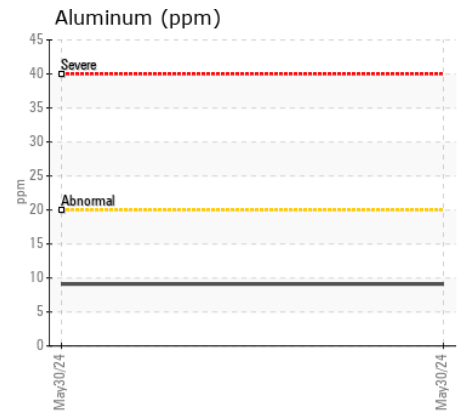
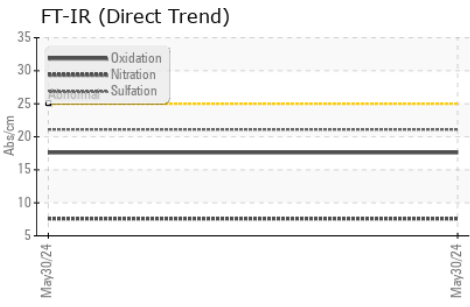
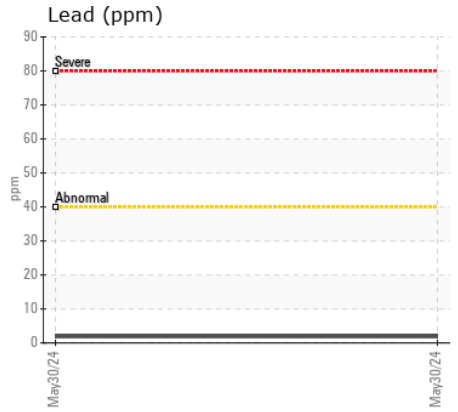
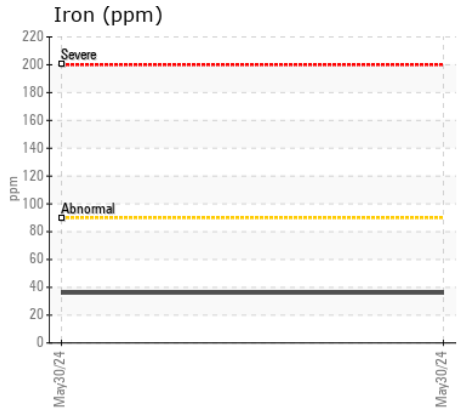
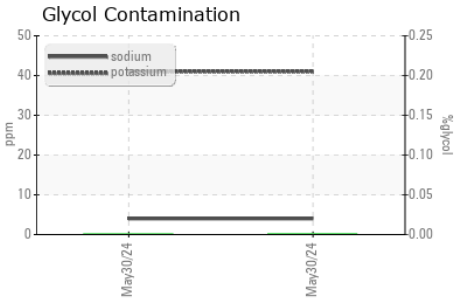
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	34	---	---
Potassium	ppm	ASTM D5185(m)	>20	41	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>6	0.1	---	---
Nitration	Abs/cm	ASTM D7624*	>20	7.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	---	---
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	---	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>228	4	---	---
Boron	ppm	ASTM D5185(m)		67	---	---
Barium	ppm	ASTM D5185(m)		5	---	---
Molybdenum	ppm	ASTM D5185(m)		63	---	---
Manganese	ppm	ASTM D5185(m)		4	---	---
Magnesium	ppm	ASTM D5185(m)		462	---	---
Calcium	ppm	ASTM D5185(m)		1796	---	---
Phosphorus	ppm	ASTM D5185(m)		949	---	---
Zinc	ppm	ASTM D5185(m)		1176	---	---
Sulfur	ppm	ASTM D5185(m)		2479	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	11.7	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0553467  
**Lab Number** : 02640667  
**Unique Number** : 5789829  
**Test Package** : MOB 1 ( Additional Tests: Glycol, Visual )

**RUSH TRUCK CENTRES OF CANADA**  
 77 BELLEVUE DR  
 BELLEVILLE, ON  
 CA K8N 4Z5

*To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.*

Contact: Service Manager  
 LBRETT@RUSHTRUCKCENTRES.CA  
 T:  
 F: