



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
969
Component
Diesel Engine
Fluid
BIG RED 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0554073	---	---
Sample Date		Client Info		20 Oct 2023	---	---
Machine Age	kms	Client Info		303857	---	---
Oil Age	kms	Client Info		21000	---	---
Filter Age	kms	Client Info		21000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	6	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	1	---	---
Lead	ppm	ASTM D5185(m)	>40	<1	---	---
Copper	ppm	ASTM D5185(m)	>330	1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

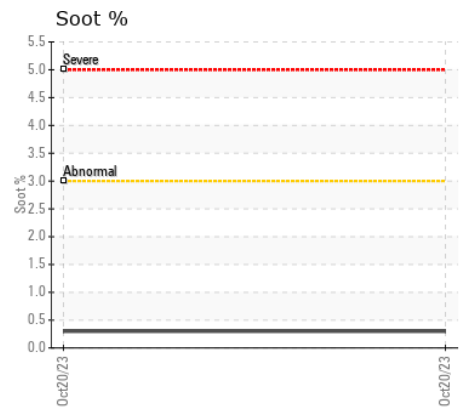
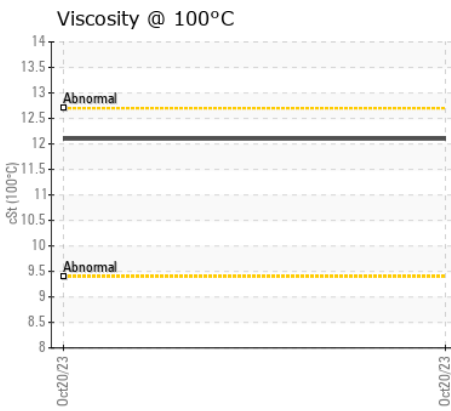
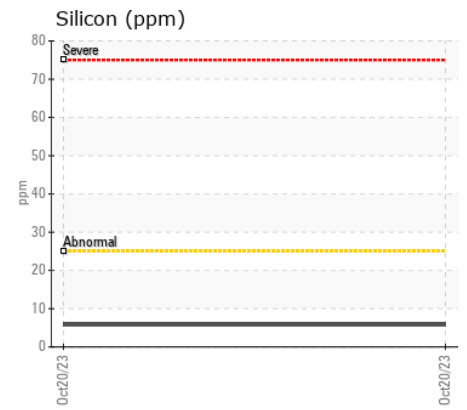
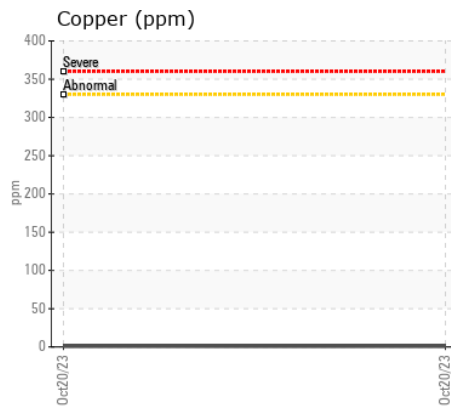
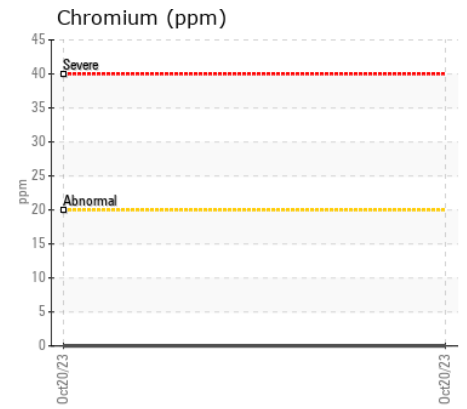
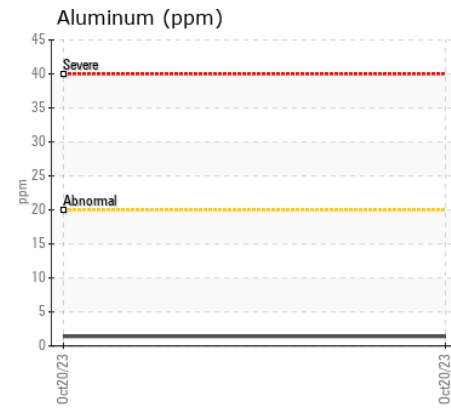
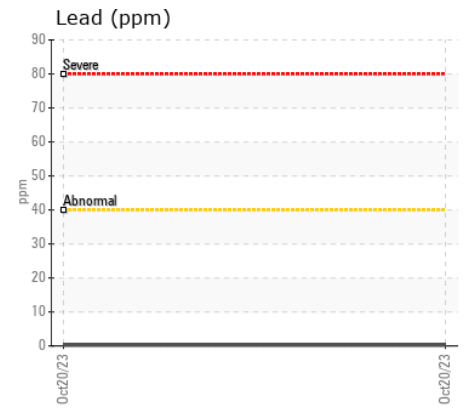
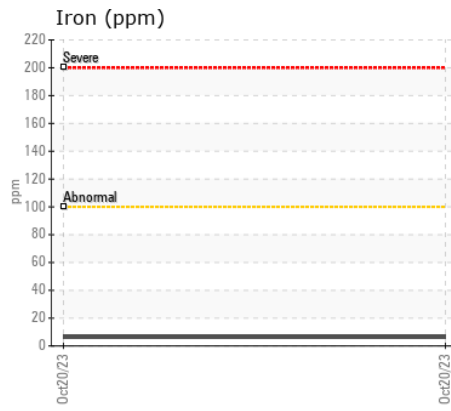
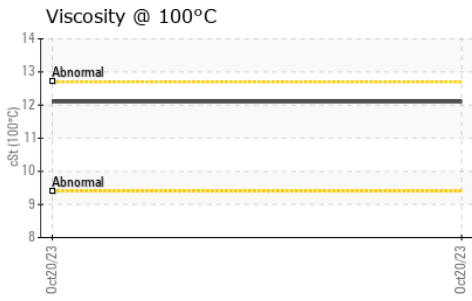
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.3	---	---
Nitration	Abs/cm	ASTM D7624*	>20	9.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	---	---
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)		2	---	---
Boron	ppm	ASTM D5185(m)		47	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		51	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		481	---	---
Calcium	ppm	ASTM D5185(m)		1625	---	---
Phosphorus	ppm	ASTM D5185(m)		839	---	---
Zinc	ppm	ASTM D5185(m)		1013	---	---
Sulfur	ppm	ASTM D5185(m)		2253	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		12.1	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0554073
Lab Number : 02591256
Unique Number : 5668335
Test Package : MOB 1

RUSH TRUCK CENTRES OF CANADA
 77 BELLEVUE DR
 BELLEVILLE, ON
 CA K8N 4Z5
 Contact: Service Manager
 LBRETT@RUSHTRUCKCENTRES.CA

Received : 24 Oct 2023
 Tested : 24 Oct 2023
 Diagnosed : 24 Oct 2023 - Wes Davis

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.