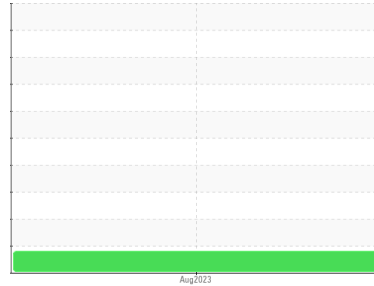




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id

**9845**

Component

**Diesel Engine**

Fluid

**SHELL ROTELLA T5 10W30 (CJ4) (--- GAL)**

## DIAGNOSIS

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0853386</b>	---	---
Sample Date	Client Info			<b>29 Aug 2023</b>	---	---
Machine Age	kms	Client Info		<b>0</b>	---	---
Oil Age	kms	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

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

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>100	<b>▲ 124</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>18</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>5</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>71</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>6</b>	---	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---	---

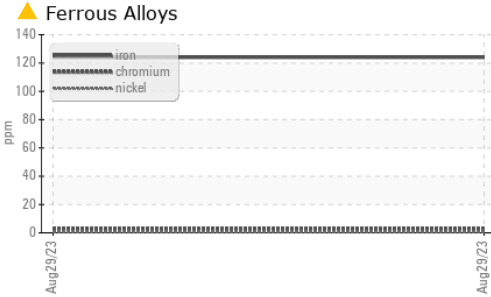
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>24</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>7</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>3</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>712</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1495</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>850</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>964</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2553</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>24</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>6</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>1.8</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>17.3</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>33.7</b>	---	---



# OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2
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Oxidation	Abs./1mm	ASTM D7414*	>25	<b>30.9</b>	---	---
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VISUAL	method	limit/base	current	history1	history2
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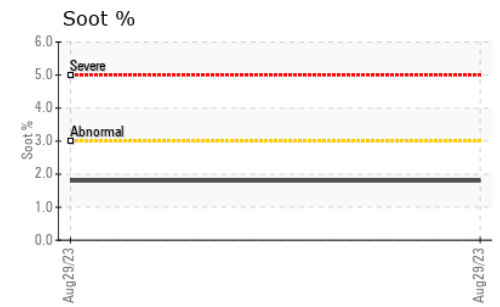
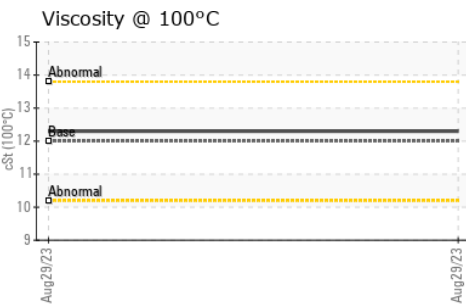
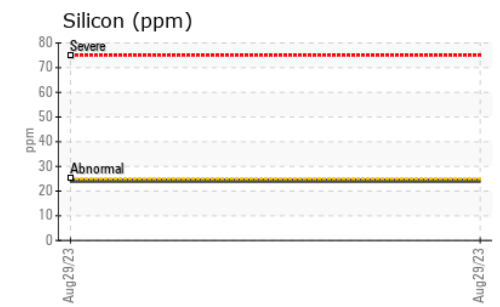
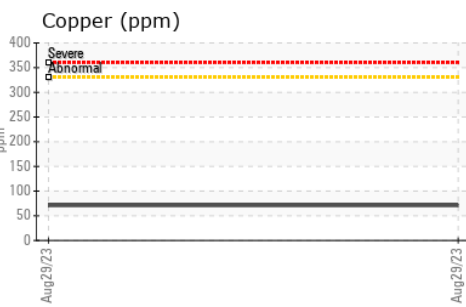
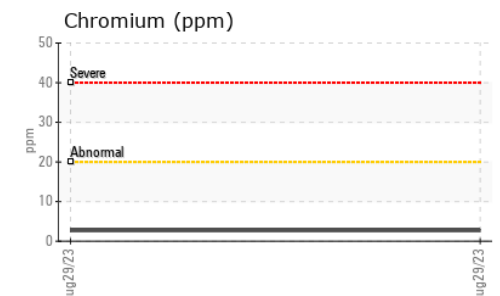
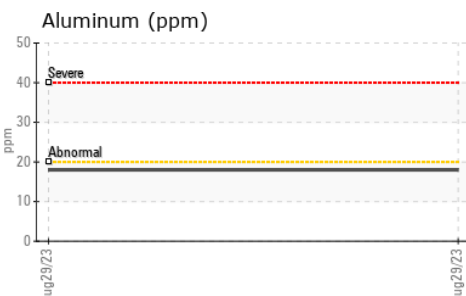
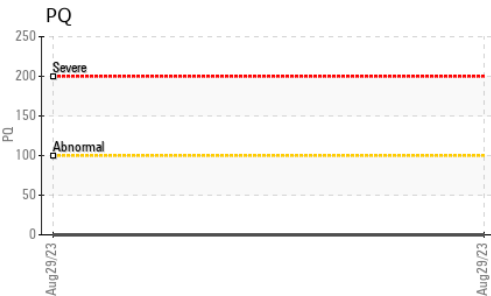
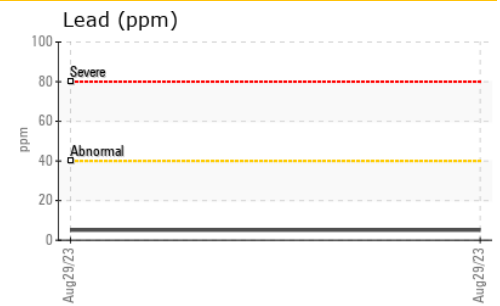
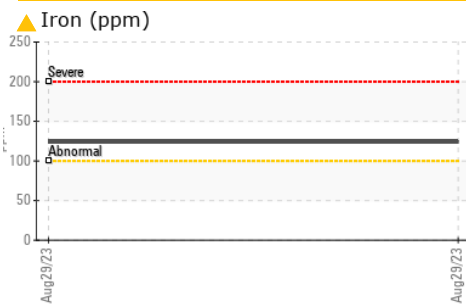
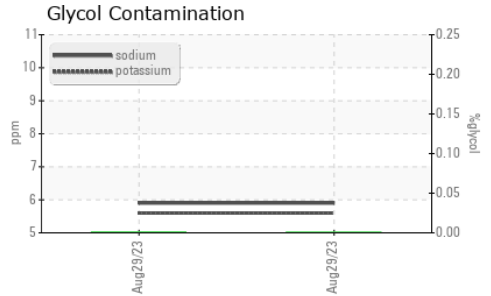
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---
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Free Water	scalar	Visual*		<b>NEG</b>	---	---
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FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)	12.0	<b>12.3</b>	---	---
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0853386      **Received** : 06 Sep 2023  
**Lab Number** : **02580606**      **Diagnosed** : 07 Sep 2023  
**Unique Number** : 5633666      **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Glycol, PQ )

**Rush Truck Centres**  
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 Mississauga, ON  
 CA L4T 1G9  
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 sokur@rushtruckcentres.ca  
 T: (905)671-7600  
 F:

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.