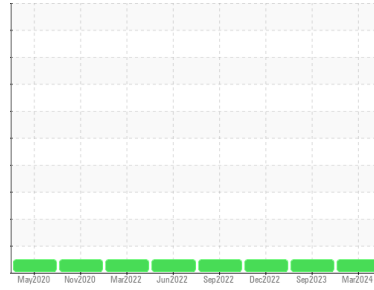




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[43802921]

Machine Id
9457

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0853455	WC0853355	WC0702876
Sample Date	Client Info			15 Mar 2024	24 Sep 2023	17 Dec 2022
Machine Age	kms	Client Info		436550	403935	346321
Oil Age	kms	Client Info		0	0	0
Oil Changed	Client Info			Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>3.0		<1.0	<1.0	<1.0
Water	WC Method	>0.2		NEG	NEG	NEG
Glycol	WC Method			NEG	NEG	0.0

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	18	53	29
Chromium	ppm	ASTM D5185(m)	>20	<1	2	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	8	5
Lead	ppm	ASTM D5185(m)	>40	3	7	3
Copper	ppm	ASTM D5185(m)	>330	2	2	2
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

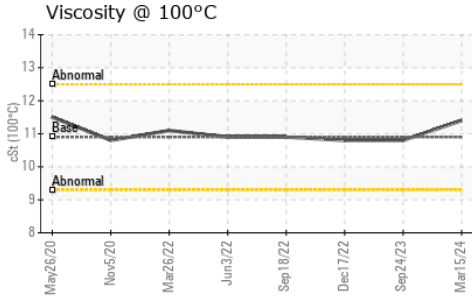
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	53	31	29
Barium	ppm	ASTM D5185(m)	10	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	2	6	2
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	675	723	696
Calcium	ppm	ASTM D5185(m)	3000	1463	1311	1388
Phosphorus	ppm	ASTM D5185(m)	1150	745	685	721
Zinc	ppm	ASTM D5185(m)	1350	821	771	755
Sulfur	ppm	ASTM D5185(m)	4250	2712	2382	2541
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	6	4
Sodium	ppm	ASTM D5185(m)		2	3	3
Potassium	ppm	ASTM D5185(m)	>20	4	16	13

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.2	0.5	0.3
Nitration	Abs/cm	ASTM D7624*	>20	11.0	14.1	11.4
Sulfation	Abs./1mm	ASTM D7415*	>30	23.2	29.4	24.6



OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
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Oxidation	Abs./1mm	ASTM D7414*	>25	20.6	30.1	20.1
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VISUAL		method	limit/base	current	history1	history2
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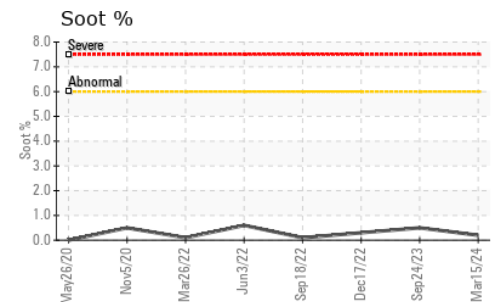
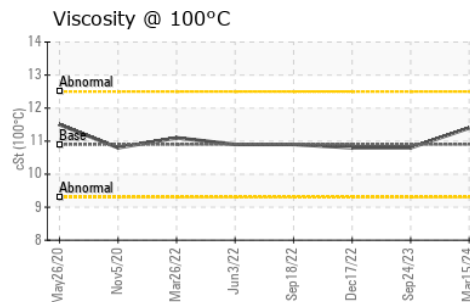
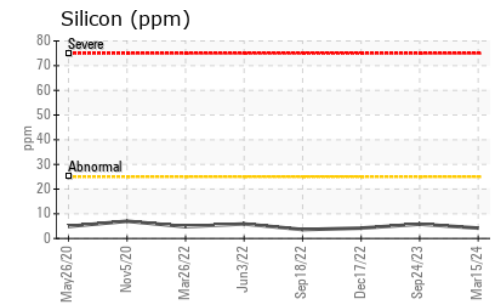
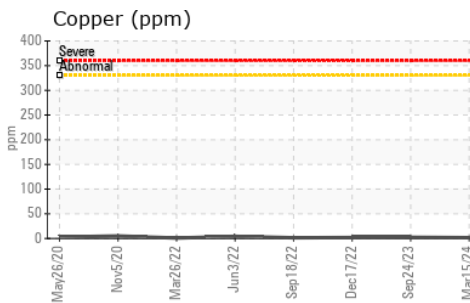
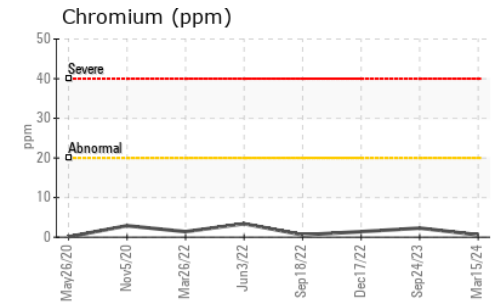
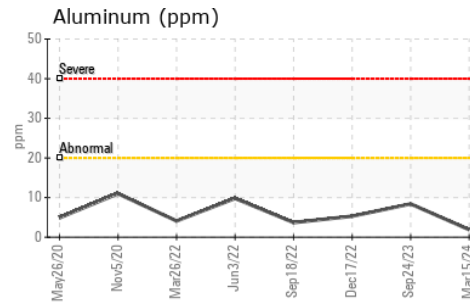
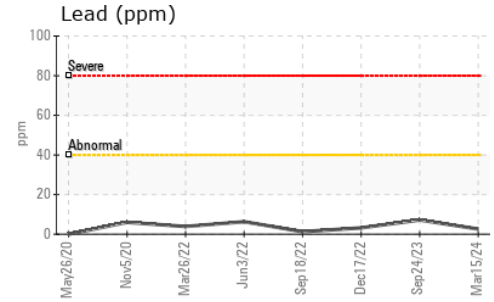
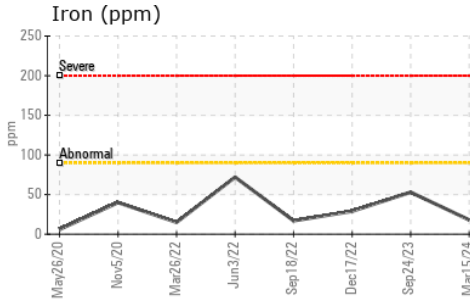
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	.2%
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Free Water	scalar	Visual*		NEG	NEG	NEG
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FLUID PROPERTIES		method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.4	10.8	10.8
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GRAPHS						
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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0853455 **Received** : 19 Mar 2024
Lab Number : 02622947 **Tested** : 19 Mar 2024
Unique Number : 5748066 **Diagnosed** : 19 Mar 2024 - Wes Davis
Test Package : MOB 1

Rush Truck Centres
 7450 Torbram Rd.
 Mississauga, ON
 CA L4T 1G9
 Contact: Serdar Okur
 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.