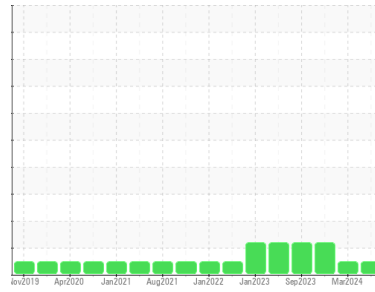




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[44951683]

Machine Id
9460

Component
Diesel Engine

Fluid
DISEL 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			WC0924201	WC0924126	WC0853186
Sample Date	Client Info			08 Jun 2024	30 Mar 2024	06 Jan 2024
Machine Age	kms	Client Info		391836	377467	365984
Oil Age	kms	Client Info		0	0	0
Oil Changed	Client Info			Not Chngd	Not Chngd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

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	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>165	11	39	34
Chromium	ppm	ASTM D5185(m)	>5	<1	2	2
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	3	5
Lead	ppm	ASTM D5185(m)	>150	0	4	3
Copper	ppm	ASTM D5185(m)	>90	<1	2	2
Tin	ppm	ASTM D5185(m)	>5	0	<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

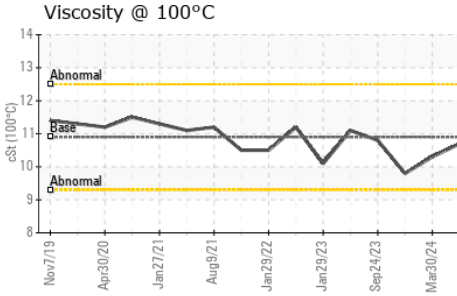
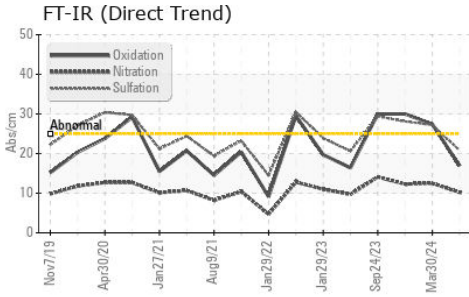
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	52	29	33
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<1	<1	3
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)	450	678	689	654
Calcium	ppm	ASTM D5185(m)	3000	1218	1255	1232
Phosphorus	ppm	ASTM D5185(m)	1150	641	625	631
Zinc	ppm	ASTM D5185(m)	1350	725	722	697
Sulfur	ppm	ASTM D5185(m)	4250	2327	2239	2347
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>35	3	4	5
Sodium	ppm	ASTM D5185(m)		2	3	3
Potassium	ppm	ASTM D5185(m)	>20	3	4	4

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>7.5	0.4	0.6	0.4
Nitration	Abs/cm	ASTM D7624*	>20	10.2	12.5	12.3
Sulfation	Abs./1mm	ASTM D7415*	>30	20.8	27.2	28.1



OIL ANALYSIS REPORT



FLUID DEGRADATION

method	limit/base	current	history1	history2	
Abs./1mm	ASTM D7414*	>25	16.9	27.4	▲ 30.0

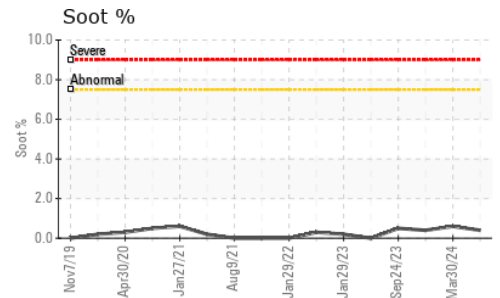
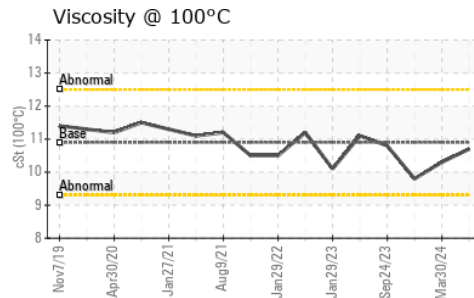
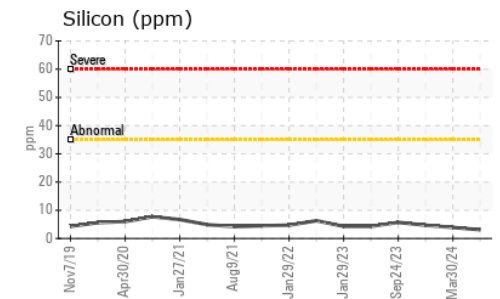
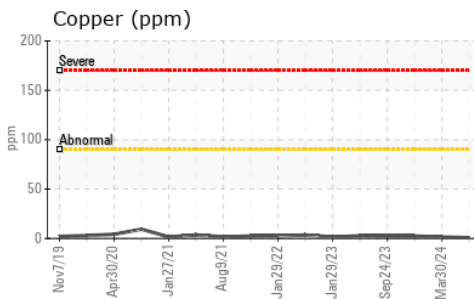
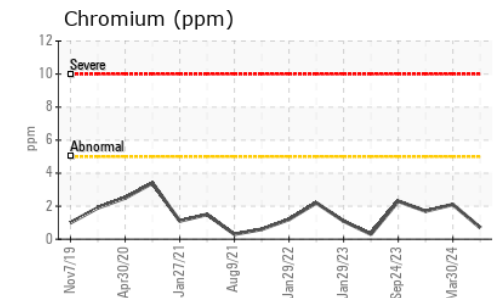
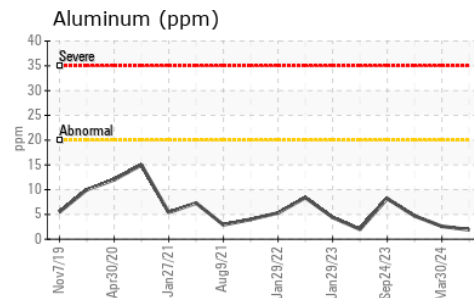
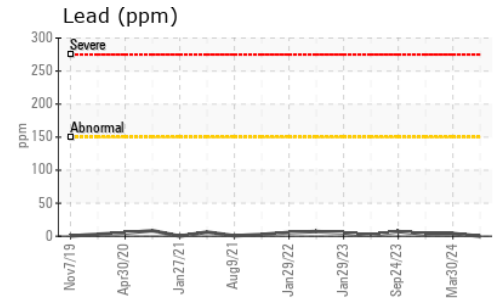
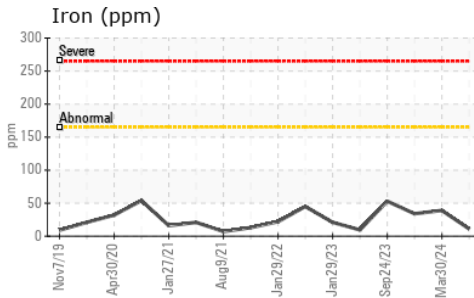
VISUAL

method	limit/base	current	history1	history2	
scalar	Visual*	>0.2	NEG	NEG	NEG
scalar	Visual*	NEG	NEG	NEG	NEG

FLUID PROPERTIES

method	limit/base	current	history1	history2	
cSt	ASTM D7279(m)	10.9	10.7	10.3	9.8

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0924201
Lab Number : 02643899
Unique Number : 5801438
Test Package : MOB 1

Received : 25 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Wes Davis

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.