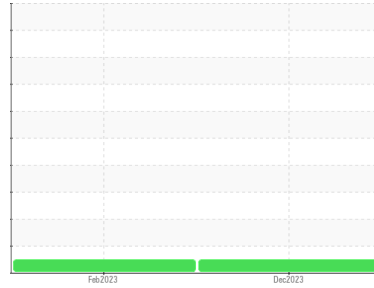




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
3243M

Component
Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

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		WC0853300	WC0737575	---
Sample Date	Client Info		02 Dec 2023	05 Feb 2023	---
Machine Age	kms	Client Info	73754	35000	---
Oil Age	kms	Client Info	0	0	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>90	44	48	---
Chromium	ppm	ASTM D5185(m)	>20	3	2	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	<1	---
Silver	ppm	ASTM D5185(m)	>2	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	5	33	---
Lead	ppm	ASTM D5185(m)	>40	5	1	---
Copper	ppm	ASTM D5185(m)	>330	3	17	---
Tin	ppm	ASTM D5185(m)	>15	<1	1	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	250	32	117	---
Barium	ppm	ASTM D5185(m)	10	<1	<1	---
Molybdenum	ppm	ASTM D5185(m)	100	18	118	---
Manganese	ppm	ASTM D5185(m)		<1	3	---
Magnesium	ppm	ASTM D5185(m)	450	653	680	---
Calcium	ppm	ASTM D5185(m)	3000	1607	1520	---
Phosphorus	ppm	ASTM D5185(m)	1150	751	674	---
Zinc	ppm	ASTM D5185(m)	1350	865	768	---
Sulfur	ppm	ASTM D5185(m)	4250	2531	2107	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

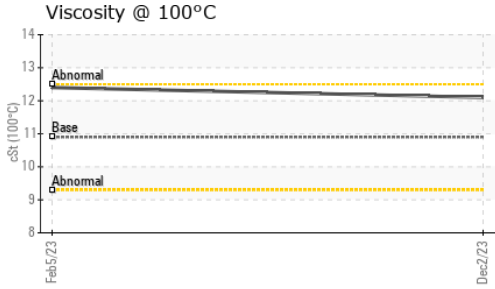
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	6	14	---
Sodium	ppm	ASTM D5185(m)		4	4	---
Potassium	ppm	ASTM D5185(m)	>20	6	74	---

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>6	0.4	0.7	---
Nitration	Abs/cm	ASTM D7624*	>20	10.8	12.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.2	28.3	---

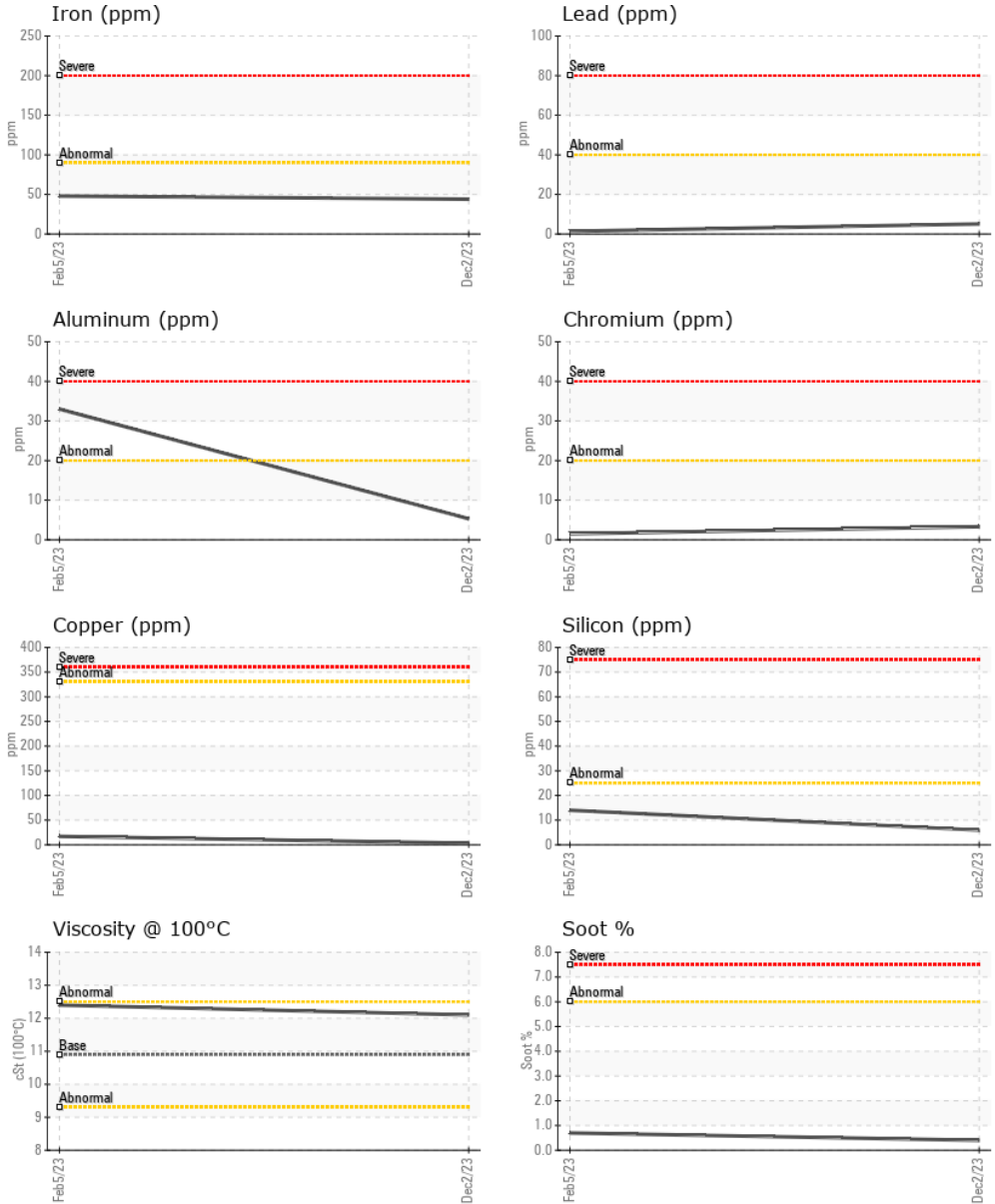


OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.1	24.0	---
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	12.1	12.4	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0853300 **Received** : 11 Dec 2023
Lab Number : **02602110** **Diagnosed** : 11 Dec 2023
Unique Number : 5695195 **Diagnostician** : 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.