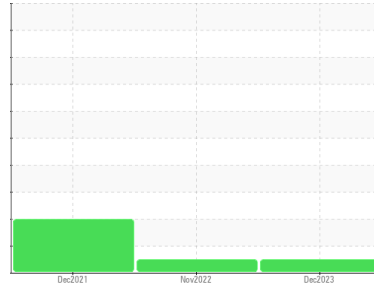




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

7471

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		WC0853105	WC0737982	WC0624740
Sample Date	Client Info		03 Dec 2023	27 Nov 2022	08 Dec 2021
Machine Age	kms	Client Info	96581	63857	21137
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	▲ 2
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)	>75	28	16	57
Chromium	ppm	ASTM D5185(m)	>5	1	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>15	2	9	16
Lead	ppm	ASTM D5185(m)	>25	5	0	<1
Copper	ppm	ASTM D5185(m)	>100	2	<1	13
Tin	ppm	ASTM D5185(m)	>4	0	<1	2
Antimony	ppm	ASTM D5185(m)		0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
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	27	70	29
Barium	ppm	ASTM D5185(m)	10	<1	0	6
Molybdenum	ppm	ASTM D5185(m)	100	4	13	49
Manganese	ppm	ASTM D5185(m)		0	<1	5
Magnesium	ppm	ASTM D5185(m)	450	682	702	791
Calcium	ppm	ASTM D5185(m)	3000	1390	1350	1219
Phosphorus	ppm	ASTM D5185(m)	1150	700	722	▲ 705
Zinc	ppm	ASTM D5185(m)	1350	804	755	828
Sulfur	ppm	ASTM D5185(m)	4250	2405	2515	▲ 1975
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

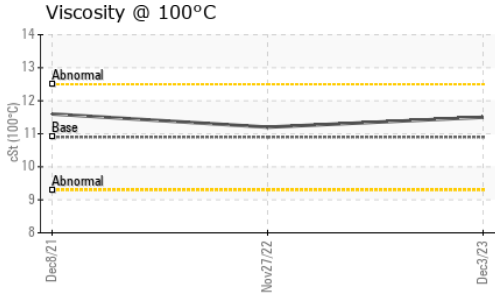
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	6	5	18
Sodium	ppm	ASTM D5185(m)		4	3	6
Potassium	ppm	ASTM D5185(m)	>20	5	18	48

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>6	0.3	0.2	0.4
Nitration	Abs/cm	ASTM D7624*	>20	11.2	9.5	12.5
Sulfation	Abs./1mm	ASTM D7415*	>30	25.7	21.1	24.8

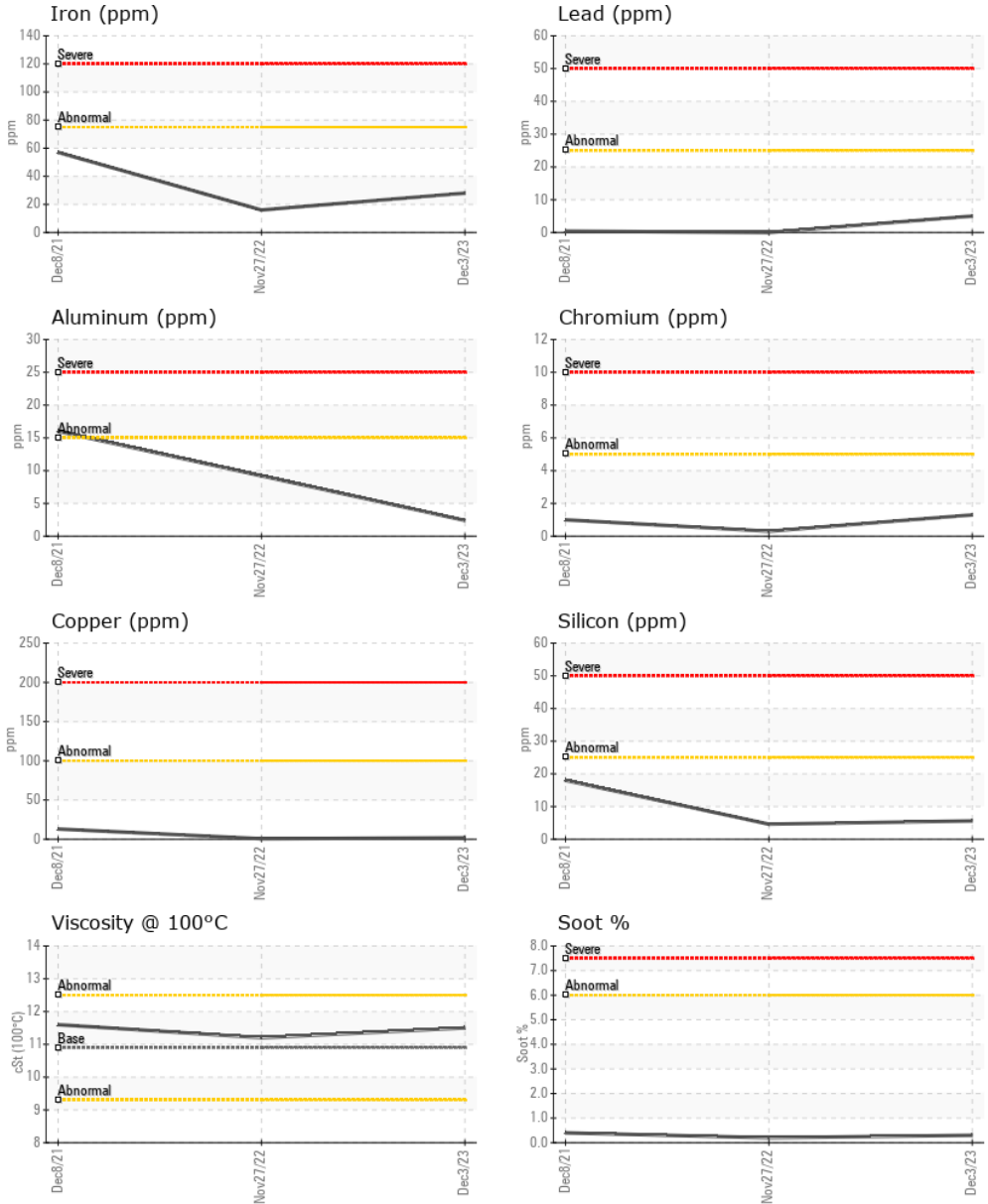


OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	23.4	16.1	23.4
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.5	11.2	▲ 11.6

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0853105 **Received** : 11 Dec 2023
Lab Number : **02602107** **Diagnosed** : 11 Dec 2023
Unique Number : 5695192 **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.