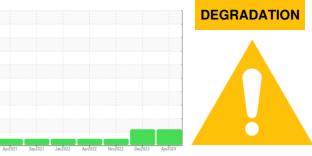


## **OIL ANALYSIS REPORT**



Machine Id **7284** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 10W30 (--- GAL)** 

#### DIAGNOSIS

#### A Recommendation

We advise that you check for faulty combustion and a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. 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

A small degree of oil oxidation was indicated. The oil is no longer serviceable.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0924158	WC0853234	WC0737483
Sample Date		Client Info		10 Apr 2024	28 Dec 2023	03 Nov 2022
Machine Age	kms	Client Info		264769	255893	235393
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATION	l	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	0.0	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>165	62	33	24
Chromium	ppm	ASTM D5185(m)	>5	4	2	2
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	4	3	3
Lead	ppm	ASTM D5185(m)	>150	4	4	4
Copper	ppm	ASTM D5185(m)	>90	2	2	2
Tin	ppm	ASTM D5185(m)	>5	<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	33	35	42
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<1	2	9
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)	450	596	602	653
Calcium	ppm	ASTM D5185(m)	3000	1094	1144	1226
Phosphorus	ppm	ASTM D5185(m)	1150	558	596	665
Zinc	ppm	ASTM D5185(m)	1350	639	652	699
Sulfur	ppm	ASTM D5185(m)	4250	1955	2238	2271
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>35	5	5	5
Sodium	ppm	ASTM D5185(m)		3	2	3
Potassium	ppm	ASTM D5185(m)	>20	6	4	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>7.5	0.5	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	18.6	13.6	11.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	33.9	28.1	26.2

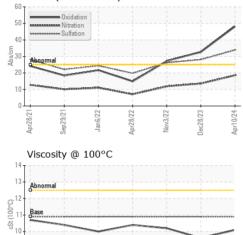


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# **OIL ANALYSIS REPORT**

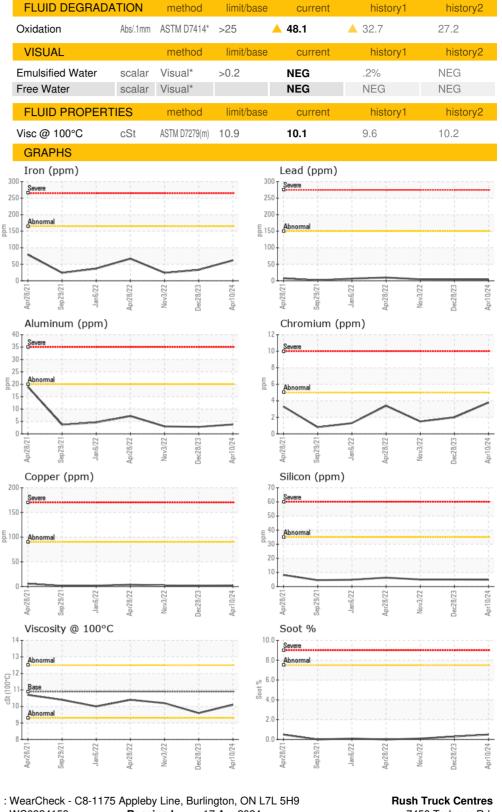




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Laboratory CALA Sample No. : WC0924158 Received : 17 Apr 2024 Lab Number : 02629554 Tested : 17 Apr 2024 ISO 17025:2017 Accredited Unique Number : 5762686 Diagnosed : 18 Apr 2024 - Kevin Marson Laboratory Test Package : MOB 1 To discuss this sample 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.

7450 Torbram Rd. Mississauga, ON CA L4T 1G9 Contact: Serdar Okur sokur@rushtruckcentres.ca T: (905)671-7600 F:

Report Id: RUSMIS [WCAMIS] 02629554 (Generated: 04/18/2024 08:45:36) Rev: 2

Contact/Location: Serdar Okur - RUSMIS Page 2 of 2