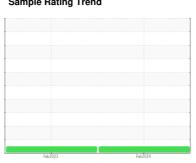


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id **25080** 

Component **Diesel Engine** 

**DIESEL ENGINE OIL SAE 15W40 (--- GAL)** 

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

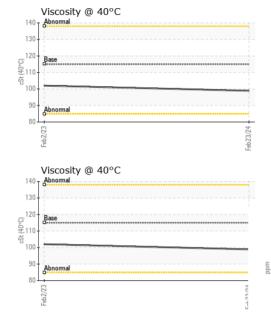
The condition of the oil is acceptable for the time in service.

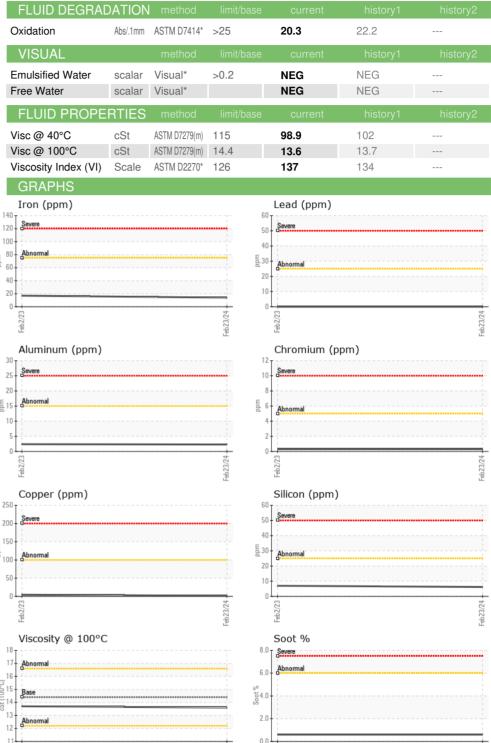
			Feb 2023	Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0085020	PC0071359	
Sample Date		Client Info		23 Feb 2024	02 Feb 2023	
Machine Age	mths	Client Info		0	0	
Oil Age	mths	Client Info		6	6	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	14	17	
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	
Titanium	ppm	ASTM D5185(m)	>2	0	<1	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>15	2	2	
Lead	ppm	ASTM D5185(m)	>25	0	0	
Copper	ppm	ASTM D5185(m)	>100	1	5	
Tin	ppm	ASTM D5185(m)	>4	0	<1	
Antimony	ppm	ASTM D5185(m)		0	<1	
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	4	5	
Barium	ppm	ASTM D5185(m)	10	0	0	
Molybdenum	ppm	ASTM D5185(m)	100	61	60	
Manganese	ppm	ASTM D5185(m)		0	<1	
Magnesium	ppm	ASTM D5185(m)	450	847	959	
Calcium	ppm	ASTM D5185(m)	3000	1158	1105	
Phosphorus	ppm	ASTM D5185(m)	1150	928	974	
Zinc	ppm	ASTM D5185(m)	1350	1116	1155	
Sulfur	ppm	ASTM D5185(m)	4250	2714	2626	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	7	
Sodium	ppm	ASTM D5185(m)	>158	1	3	
Potassium	ppm	ASTM D5185(m)	>20	<1	1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.6	0.6	
Nitration	Abs/cm	ASTM D7624*	>20	10.1	10.6	
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.9	24.2	

Contact/Location: Eric Landman - TFSTOR



## **OIL ANALYSIS REPORT**





:01 Mar 2024

: 01 Mar 2024

: 01 Mar 2024 - Wes Davis



CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number

: 02619203 Unique Number : 5736313

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC0085020 Received **Tested** 

Diagnosed Test Package : MOB 1 (Additional Tests: KV40, VI)

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.

**TORONTO FIRE SERVICES** 

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Contact/Location: Eric Landman - TFSTOR