

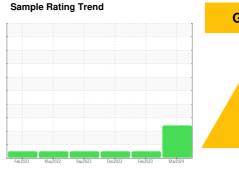
OIL ANALYSIS REPORT

Area [1236452] 816000

Component

Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)





DIAGNOSIS

Recommendation

Check for low coolant level. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative.

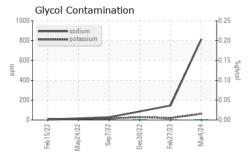
Fluid Condition

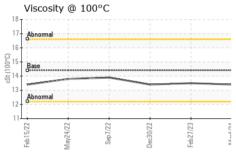
The condition of the oil is acceptable for the time in service (see recommendation).

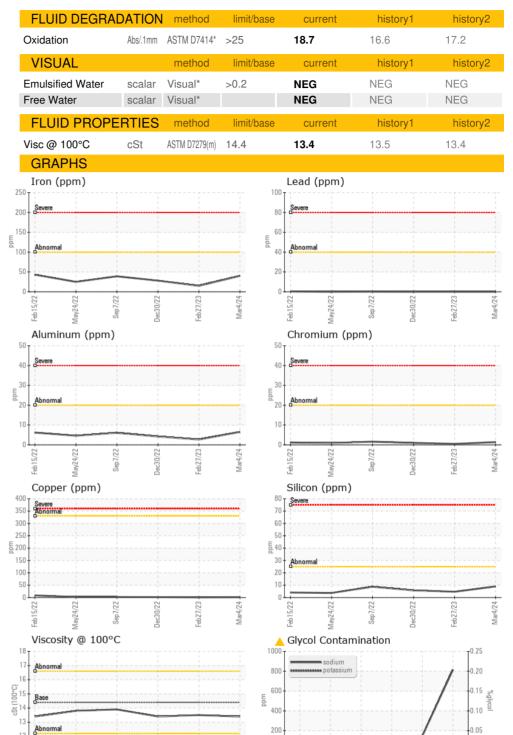
		Feb 2022	May2022 Sep2022	Dec2022 Feb2023	Mar2024	
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0093961	GFL0062898	GFL0062887
Sample Date		Client Info		04 Mar 2024	27 Feb 2023	30 Dec 2022
Machine Age	nrs	Client Info		0	13307	13003
Oil Age	nrs	Client Info		0	13307	13003
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185(m)	>100	40	15	28
Chromium p	opm	ASTM D5185(m)	>20	1	<1	1
Nickel p	opm	ASTM D5185(m)	>4	<1	<1	<1
	opm	ASTM D5185(m)		0	<1	<1
	ppm	ASTM D5185(m)	>3	0	0	0
	opm		>20	6	3	4
	opm	ASTM D5185(m)	>40	0	0	0
	opm	` '	>330	1	<1	2
	opm	ASTM D5185(m)	>15	0	<1	<1
1	opm	ASTM D5185(m)		0	0	<1
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
_	opm	ASTM D5185(m)	250	5	5	5
	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)	100	82	64	64
	opm	ASTM D5185(m)	100	0	<1	<1
	opm	ASTM D5185(m)	450	873	944	964
		. ,	3000	1078	1117	1134
	opm	ASTM D5185(III) ASTM D5185(m)	1150	875	1065	1051
	opm	ASTM D5185(m)	1350	1097	1193	1183
- 1	opm	ASTM D5185(m)	4250	2584	2564	2480
	opm opm	ASTM D5165(III) ASTM D5185(m)	7230	<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
	opm	ASTM D5185(m)	>25	9	5	6
	opm	ASTM D5185(m)		815	146	86
	opm	ASTM D5185(m)	>20	▲ 63	20	29
	%	ASTM D7922*	- 20	0.0	0.0	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7	0.3	0.5
	Abs/cm	ASTM D7624*	>20	12.7	9.5	10.2
	Abs/.1mm	ASTM D7415*	>30	23.1	21.9	22.4
Canadion P	100/.1111111	1011VID1710	200	20.1	£1.0	~~·~



OIL ANALYSIS REPORT









CALA ISO 17025:2017 Accredited

Laboratory Sample No.

: GFL0093961

Lab Number : 02620743 Unique Number : 5737853

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

: 08 Mar 2024 **Tested** : 08 Mar 2024 Diagnosed

-eb27/23

: 11 Mar 2024 - Kevin Marson

GFL Environmental - 777 - Belleville-Municipal waste 197 Putman Industrial Road Belleville, ON CA K8N 4Z6

Contact: Andrea Michael amichael@gflenv.com T: (613)962-7144

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test Package : MOB 1 (Additional Tests: Glycol)

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.

F: (613)962-1994

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