

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id **200299**

Component **Diesel Engine**

DIESEL ENGINE OIL SAE 10W30 (--- 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

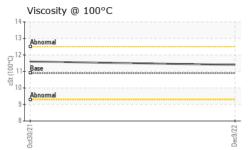
Fluid Condition

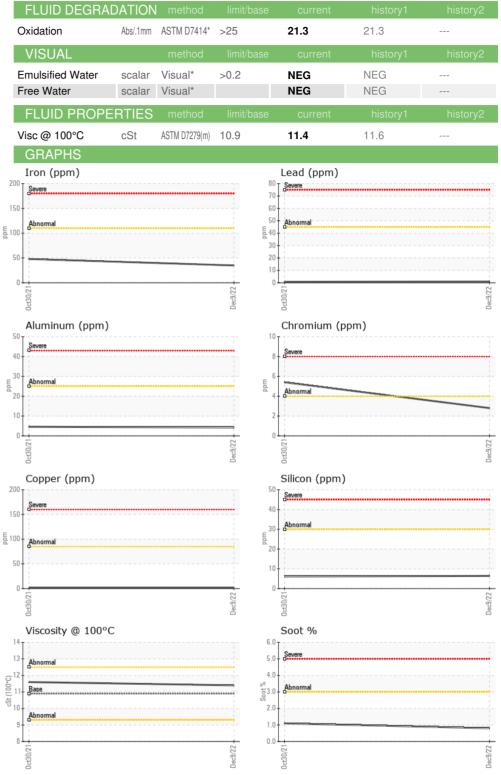
The condition of the oil is acceptable for the time in service.

	=		0ct2021	Dec2022		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0047671	GFL0024265	
Sample Date		Client Info		09 Dec 2022	30 Oct 2021	
Machine Age	hrs	Client Info		18250	17808	
Oil Age	hrs	Client Info		0	580	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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)	>110	35	48	
Chromium	ppm	ASTM D5185(m)	>4	3	△ 5	
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	
Titanium	ppm	ASTM D5185(m)		<1	0	
Silver	ppm	ASTM D5185(m)	>2	0	<1	
Aluminum	ppm	ASTM D5185(m)	>25	4	5	
Lead	ppm	ASTM D5185(m)	>45	1	<1	
Copper	ppm	ASTM D5185(m)	>85	2	2	
Tin	ppm	ASTM D5185(m)	>4	0	<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	13	11	
Barium	ppm	ASTM D5185(m)	10	0	0	
Molybdenum	ppm	ASTM D5185(m)	100	58	58	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)	450	944	978	
Calcium	ppm	ASTM D5185(m)	3000	1064	1022	
Phosphorus	ppm	ASTM D5185(m)	1150	1086	1039	
Zinc	ppm	ASTM D5185(m)	1350	1180	1193	
Sulfur	ppm	ASTM D5185(m)	4250	2413	2341	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	6	6	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	3	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	8.0	1.1	
Nitration	Abs/cm	ASTM D7624*	>20	11.5	12.5	
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.0	25.2	



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

Lab Number : 02536831 Unique Number : 5525831

: GFL0047671

Test Package : MOB 1

Received **Tested**

:01 Feb 2023 : 01 Feb 2023 Diagnosed

: 01 Feb 2023 - Wes Davis

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 355 - Saskatoon 100 Cory Road Saskatoon, SK CA S7K 3J7

Contact: Ryan Polichuk rpolichuk@gflenv.com T: (306)244-9500

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.