

OIL ANALYSIS REPORT



NORMAL



Machine Id
212034
Component

Component
Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

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

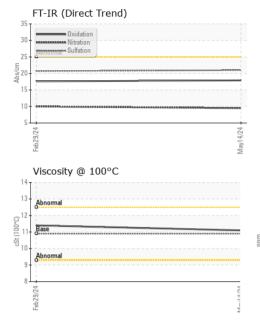
Fluid Condition

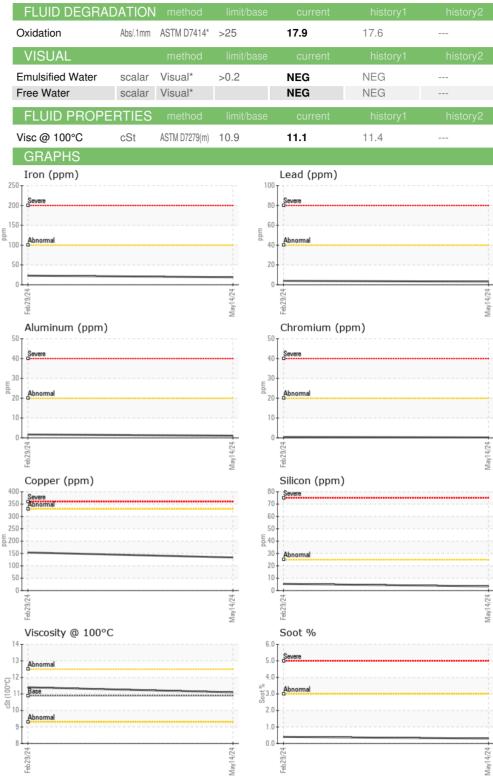
The condition of the oil is acceptable for the time in service.

			Feb 2024	May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0118559	GFL0107876	
Sample Date		Client Info		14 May 2024	29 Feb 2024	
Machine Age	kms	Client Info		711705	0	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
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)	>100	19	23	
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	
Nickel	ppm	ASTM D5185(m)	>4	0	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>3	0	0	
Aluminum	ppm	ASTM D5185(m)	>20	1	2	
Lead	ppm	ASTM D5185(m)	>40	3	4	
Copper	ppm	ASTM D5185(m)	>330	134	154	
Tin	ppm	ASTM D5185(m)	>15	<1	<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	6	4	
Barium	ppm	ASTM D5185(m)	10	0	0	
Molybdenum	ppm	ASTM D5185(m)	100	58	59	
Manganese	ppm	ASTM D5185(m)		<1	0	
Magnesium	ppm	ASTM D5185(m)	450	938	954	
Calcium	ppm	ASTM D5185(m)	3000	1038	1062	
Phosphorus	ppm	ASTM D5185(m)	1150	943	994	
Zinc	ppm	ASTM D5185(m)	1350	1142	1170	
Sulfur	ppm	ASTM D5185(m)	4250	2332	2545	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	5	
Sodium	ppm	ASTM D5185(m)		2	1	
Potassium	ppm	ASTM D5185(m)	>20	1	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	0.4	
Nitration	Abs/cm	ASTM D7624*	>20	9.5	10.0	
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.0	20.7	



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Unique Number : 5788737 Test Package : MOB 1

Lab Number : 02639575

: GFL0118559

Diagnosed

Received : 04 Jun 2024 **Tested** : 05 Jun 2024

: 05 Jun 2024 - Wes Davis

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 310 - Winnipeg #360 - 555 Hervo Street, $Winnipeg,\,MB$ CA R3T 3L6

Contact: Joshua Lourenco jlourenco@gflenv.com T: (204)987-9600

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.

Contact/Location: Joshua Lourenco - GFL310