

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



NO UNIT GFL0110724

Component

Diesel Engine

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of dirt present in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

				Mar2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110724		
Sample Date		Client Info		04 Mar 2024		
Machine Age	kms	Client Info		0		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINAT	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	36		
Chromium	ppm		>20	1		
Nickel	ppm	ASTM D5185(m)	>4	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	2		
Lead	ppm	ASTM D5185(m)	>40	<1		
Copper	ppm	ASTM D5185(m)	>330	2		
Tin	ppm	ASTM D5185(m)	>15	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		50		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		804		
Calcium	ppm	ASTM D5185(m)		896		
Phosphorus	ppm	ASTM D5185(m)		850		
Zinc	ppm	ASTM D5185(m)		1003		
Sulfur	ppm	ASTM D5185(m)		2121		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	▲ 31		
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Sodium

Soot %

Nitration Sulfation

Potassium

INFRA-RED

ppm

ppm

%

ASTM D5185(m)

method

ASTM D7844*

Abs/cm ASTM D7624*

Abs/.1mm ASTM D7415*

ASTM D5185(m) >20

3

2

0.6

14.8

26.6

current

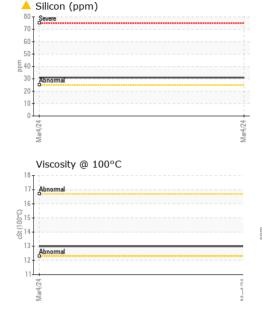
limit/base

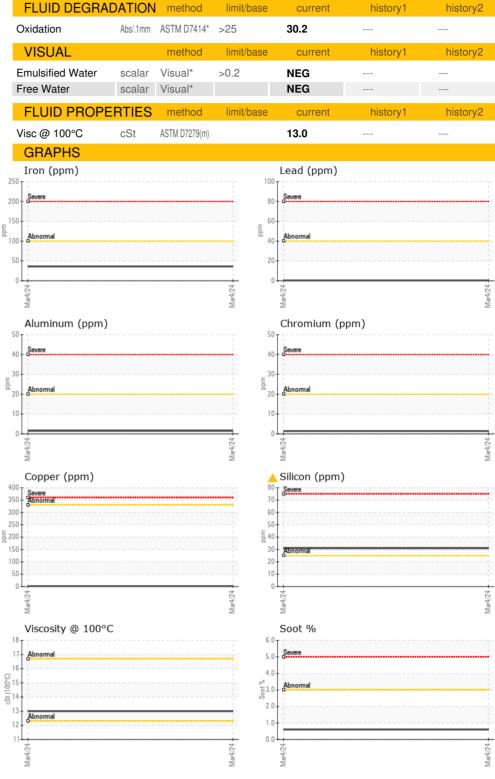
history1

history2



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02620414 Unique Number : 5737524 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : GFL0110724 Received **Tested**

Diagnosed

: 07 Mar 2024 : 07 Mar 2024

: 07 Mar 2024 - Kevin Marson

GFL Environmental - 221 - Windsor 905 Tecumseh Road W Windsor, ON

CA N8W 4J5 Contact: Rhys Marotte rmarotte@gflenv.com

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.

T:

F: