**WEAR** CONTAMINATION **FLUID CONDITION** 

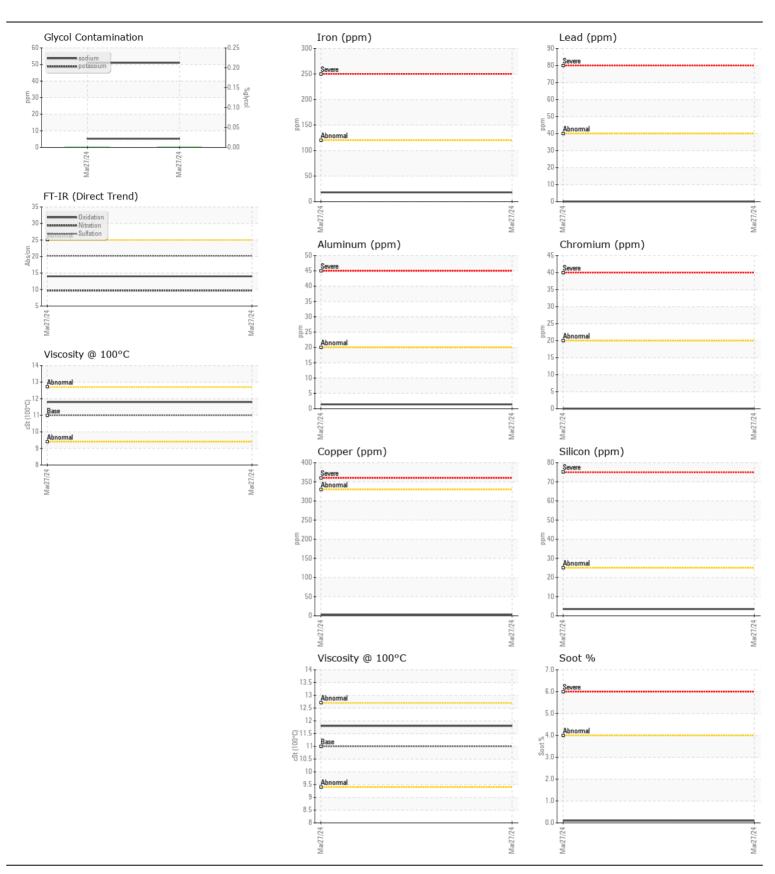
**NORMAL NORMAL NORMAL** 

Machine Id

510008
Component
Diesel Engine

Fluid SAF 10W30 ( CVI)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0100848		
	Sample Date		Client Info		27 Mar 2024		
	Machine Age	kms	Client Info		348568		
	Oil Age	kms	Client Info		0		
	Filter Age	kms	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	lua.		AOTM DE40E()	400	40		
VEAN	Iron	ppm	ASTM D5185(m)		18		
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)		0		
	Nickel	ppm	ASTM D5185(m)		9		
	Titanium	ppm	ASTM D5185(m)		0		
	Silver	ppm	ASTM D5185(m)		0		
	Aluminum	ppm	ASTM D5185(m)		1		
	Lead	ppm	ASTM D5185(m)		0		
	Copper	ppm	ASTM D5185(m)		3		
	Tin	ppm	ASTM D5185(m)	>15	0		
	Vanadium	ppm	ASTM D5185(m)		0		
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>25	4		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185(m)	>20	5		
There is no indication of any contamination in the oil.	Fuel		WC Method	>3.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol	%	ASTM D7922*		0.0		
	Soot %	%	ASTM D7844*	>4	0.1		
	Nitration	Abs/cm	ASTM D7624*	>20	9.7		
	Sulfation	Abs/.1mm	ASTM D7415*	>30	20.2		
	Emulsified Water	scalar	Visual*	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)	>228	51		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185(m)	7220	45		
	Barium	ppm	ASTM D5185(m)		0		
	Molybdenum	ppm	ASTM D5185(m)		3		
	Manganese	ppm	ASTM D5185(m)		<1		
	Magnesium	ppm	ASTM D5185(m)		634		
	Calcium	ppm	ASTM D5185(m)		1403		
	Phosphorus	ppm	ASTM D5185(m)		687		
	Zinc	ppm	ASTM D5185(m)		808		
	Sulfur	ppm	ASTM D5185(m)		2504		
	Oxidation	Abs/.1mm	ASTM D7414*	>25	14.0		
			ASTM D7279(m)		11.8		





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02637838 Unique Number : 5787000

: GFL0100848

Received **Tested** Diagnosed Test Package : MOB 1 ( Additional Tests: Glycol )

: 28 May 2024 : 29 May 2024

: 29 May 2024 - Wes Davis

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 520 - Winterburn 20204 - 113 Avenue, Edmonton, AB **CA T5S 0G3** Contact: Jaekyung Ko jko@gflenv.com T: (780)444-8805

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.