

## **OIL ANALYSIS REPORT**

Sample Rating Trend





Machine Id 910077 Component

**Diesel Engine** DIESEL ENGI

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		GFL0094456	GFL0094378	GFL004285
esample at the next service interval to monitor.	Sample Date		Client Info		21 Feb 2024	30 Nov 2023	29 Sep 202
ear	Machine Age	hrs	Client Info		6994	6435	0
component wear rates are normal.	Oil Age	hrs	Client Info		6994	0	0
	Oil Changed	1113	Client Info		Changed	Changed	N/A
ntamination	Sample Status				NORMAL	NORMAL	NORMAL
ere is no indication of any contamination in the						NOTIVIAL	
id Condition	CONTAMINA	TION	method	limit/base	current	history1	history2
e condition of the oil is acceptable for the time in	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
service.	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	LS	method	limit/base	current	history1	history
	Iron	ppm	ASTM D5185(m)	>120	13	10	3
	Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
	Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
	Titanium	ppm	ASTM D5185(m)	>2	0	0	0
	Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
	Aluminum	ppm	ASTM D5185(m)	>20	4	3	2
	Lead	ppm	ASTM D5185(m)	>40	1	<1	<1
	Copper	ppm	ASTM D5185(m)	>330	4	2	2
	Tin	ppm	ASTM D5185(m)		<1	<1	0
	Antimony	ppm	ASTM D5185(m)		0	0	0
	Vanadium	ppm	ASTM D5185(m)		0	0	0
	Beryllium	ppm	ASTM D5185(m)		0	0	0
	Cadmium	ppm	ASTM D5185(m)		0	0	0
	ADDITIVES	pp	method	limit/base	-	history1	history
	Boron	ppm	ASTM D5185(m)	250	23	28	54
	Barium	ppm	ASTM D5185(m)	10	0	<1	0
	Molybdenum	ppm	ASTM D5185(m)	100	86	87	86
	Manganese	ppm	ASTM D5185(m)		0	0	0
	Magnesium	ppm	ASTM D5185(m)	450	152	124	67
	Calcium	ppm	ASTM D5185(m)		2065	2075	2112
	Phosphorus	ppm	ASTM D5185(m)		961	932	929
	Zinc	ppm	ASTM D5185(m)	1350	1153	1152	1133
	Sulfur	ppm	ASTM D5185(m)	4250	2884	2762	2975
	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
	CONTAMINA	NTS	method	limit/base	current	history1	history
	Silicon	ppm	ASTM D5185(m)		5	3	3
	Sodium	ppm	ASTM D5185(m)	>158	4	3	3
	Potassium	ppm	ASTM D5185(m)	>20	2	0	1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>4	0.5	0.4	0.1
	5001 /8	/0	101101011		•.•	011	

Abs/.1mm ASTM D7415\* >30

22.1

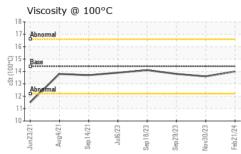
Sulfation

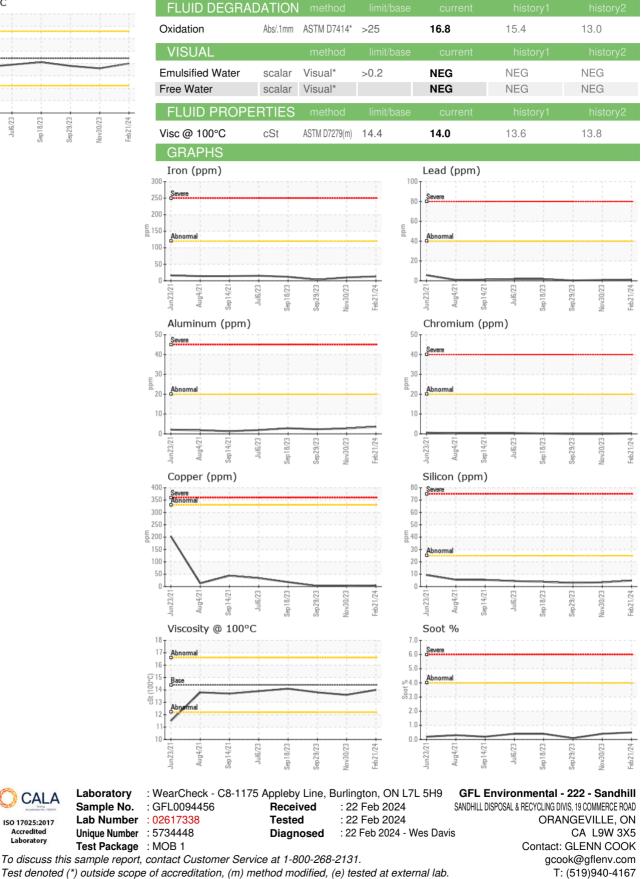
18.0

20.6



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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.

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