

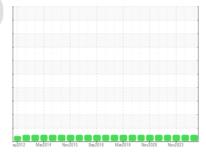
OIL ANALYSIS REPORT

Area [1304295]

5551

Front Diesel Engine

CASTROL TECTION EXTRA SAE 15W-40 (38 LTR)



Sample Rating Trend



DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

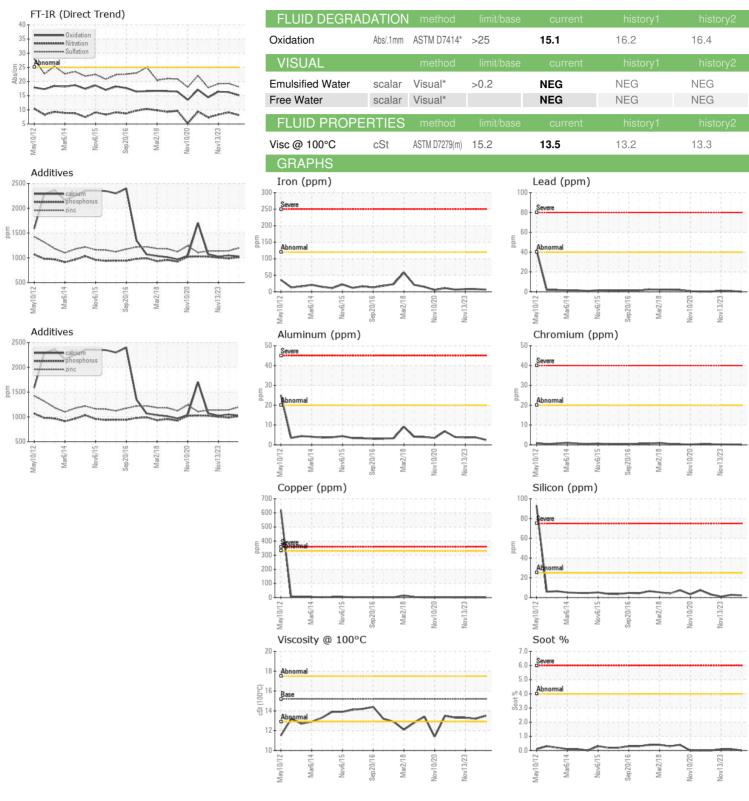
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date		Client Info		GFL0118550 02 Jul 2024	GFL0102727 02 Feb 2024	GFL0094527 13 Nov 2023
Machine Age	kms	Client Info		20555	20002	19405
Oil Age	kms	Client Info		0	0	0
Oil Changed	KIIIS	Client Info		Changed	N/A	N/A
Sample Status		Chorte trillo		NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	6	8	8
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	4	4
Lead	ppm	ASTM D5185(m)	>40	0	<1	1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	1
Tin	ppm	ASTM D5185(m)	>15	0	<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		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	30	2	2	4
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		58	56	57
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	110	952	927	921
Calcium	ppm	ASTM D5185(m)	2740	1029	1046	1023
Phosphorus	ppm	ASTM D5185(m)	1240	1012	986	1001
Zinc	ppm	ASTM D5185(m)		1198	1140	1135
Sulfur Lithium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	3520	2610 <1	2630 <1	2495
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2	3	1
Sodium	ppm	ASTM D5185(m)		3	4	2
Potassium	ppm	ASTM D5185(m)	>20	<1	1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0	0.1	0.1
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Nitration	Abs/cm	ASTM D7624*	>20	8.1	9.1	8.3



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02647298 Unique Number : 5812850

: GFL0118550

Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Received : 11 Jul 2024 Tested : 11 Jul 2024

Diagnosed : 11 Jul 2024 - Wes Davis

1034 TOY AVENUE, PICKERING YARD PICKERING, ON CA L1W 3P1

GFL Environmental - 207 - Pickering SW

Contact: Ian Patton ipatton@gflenv.com T: (905)831-6297

F: (905)426-3577

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.