

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 8268

Component Front Diesel Engine

Fluid PETRO CANADA DURON HP 15W40 (22 LTR)

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

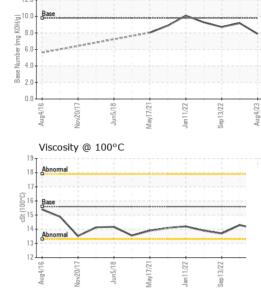
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084313	GFL0077556	GFL0057760
Sample Date		Client Info		04 Aug 2023	28 Mar 2023	13 Sep 2022
Machine Age	hrs	Client Info		13843	13265	12540
Oil Age	hrs	Client Info		579	594	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	26	13	39
Chromium	ppm	ASTM D5185(m)	>5	2	<1	3
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>15	4	3	8
Lead	ppm	ASTM D5185(m)	>25	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>100	1	<1	1
Tin	ppm	ASTM D5185(m)	>4	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
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)	0	2	2	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	58	57
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	951	932	939
Calcium	ppm	ASTM D5185(m)	1070	1045	1091	1054
Phosphorus	ppm	ASTM D5185(m)	1150	1014	1069	1061
Zinc	ppm	ASTM D5185(m)	1270	1172	1167	1174
Sulfur	ppm	ASTM D5185(m)	2060	2387	2633	2525
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	8	5	13
Sodium	ppm	ASTM D5185(m)		7	5	6
Potassium	ppm	ASTM D5185(m)	>20	2	<1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.1	0.3	0.9
Nitration	Abs/cm	ASTM D7624*	>20	10.0	7.1	9.0
Sulfation						

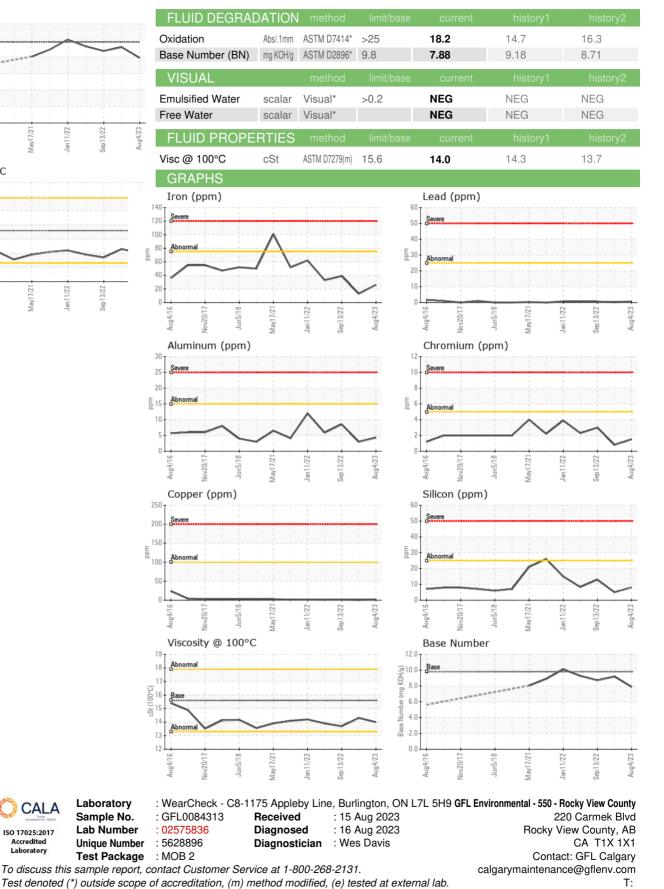


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Base Number





Report Id: GFL550 [WCAMIS] 02575836 (Generated: 08/16/2023 14:28:30) Rev: 1

CALA

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Laboratory

Laboratory

Sample No.

Validity of results and interpretation are based on the sample and information as supplied.

Submitted By: GFL Calgary Page 2 of 2

F: (403)369-6163