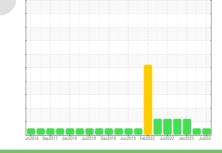


OIL ANALYSIS REPORT

Sample Rating Trend







Component Front Diesel Engine Fluid

PETRO CANADA DURON XL SYN BLEND 15W40 (37 LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Machine Id 4487

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

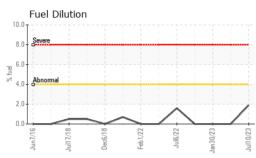
Fluid Condition

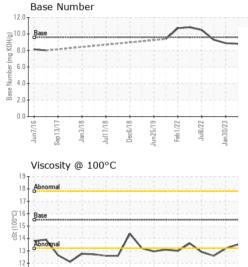
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	/ ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084272	GFL0070694	GFL0063745
Sample Date		Client Info		10 Jul 2023	23 Mar 2023	30 Jan 2023
Machine Age	hrs	Client Info		29591	29093	28713
Oil Age	hrs	Client Info		0	600	608
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATI	ON	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	0.0	0.0
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	8	7	8
Chromium	ppm	ASTM D5185(m)	>6	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)		1	1	2
Lead	ppm	ASTM D5185(m)	>95	<1	<1	2
Copper	ppm	ASTM D5185(m)	>85	<1	<1	1
Tin	ppm	ASTM D5185(m)	>9	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	<1	<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)	1	2	2	3
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	57	61	67
Manganese	ppm	ASTM D5185(m)	1	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	944	937	932
Calcium	ppm		1070	1031	1104	1103
Phosphorus	ppm	ASTM D5185(m)	1150	1013	1043	1047
Zinc	ppm	ASTM D5185(m)	1270	1121	1123	1181
Sulfur	ppm	ASTM D5185(m)	2060	2476	2654	2629
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	3	3
Sodium	ppm	ASTM D5185(m)		42	91	<u> </u>
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
Fuel	%	ASTM D7593*	>4.0	1.9	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0.2	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	7.2	7.7	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9	22.7	21.1



OIL ANALYSIS REPORT

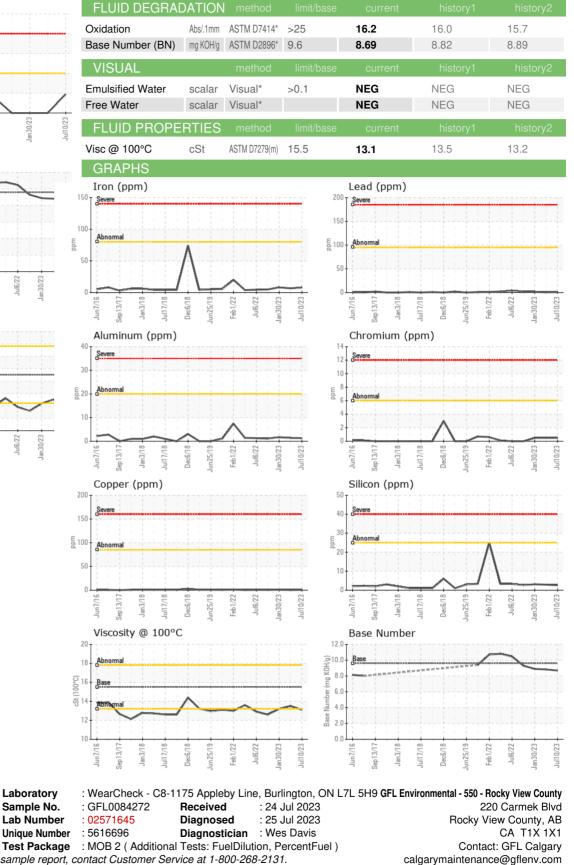




25/19 eb1/22 CC/31

Sep13/17 2/18

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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.

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