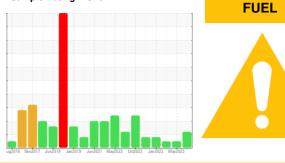


OIL ANALYSIS REPORT

Sample Rating Trend





8269 Component

Machine Id

Front Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (22 LTR)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

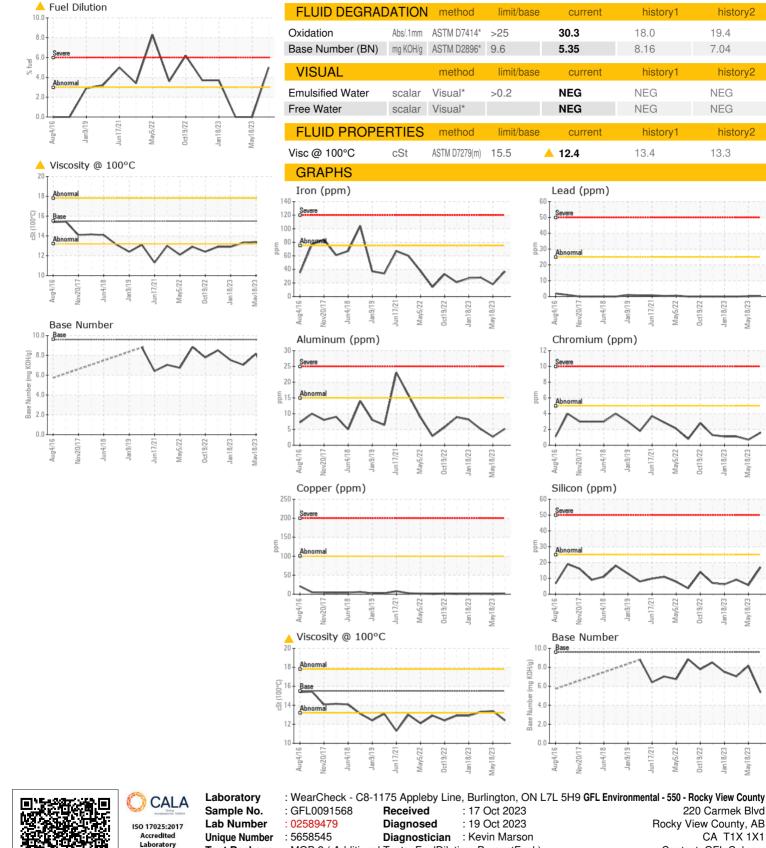
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0091568	GFL0077627	GFL0077554
Sample Date		Client Info		12 Oct 2023	18 May 2023	01 Apr 2023
Machine Age	hrs	Client Info		15960	304790	15018
Oil Age	hrs	Client Info		0	304790	782
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	37	18	28
Chromium	ppm	ASTM D5185(m)	>5	2	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)		5	3	5
Lead	ppm	ASTM D5185(m)	>25	<1	<1	0
Copper	ppm	ASTM D5185(m)		1	<1	1
Tin	ppm	ASTM D5185(m)	>4	0	0	<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	2
Barium	ppm	ASTM D5185(m)	1	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	60	52	56	56
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	825	905	892
Calcium	ppm	ASTM D5185(m)		916	1042	1080
Phosphorus	ppm	ASTM D5185(m)	1150	844	998	1008
Zinc	ppm	ASTM D5185(m)	1270	1042	1102	1124
Sulfur	ppm	ASTM D5185(m)	2060	2074	2368	2352
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	17	6	9
Sodium	ppm	ASTM D5185(m)		8	6	9
Potassium	ppm	ASTM D5185(m)	>20	<1	0	1
Fuel	%	ASTM D7593*	>3.0	<mark>/</mark> 5	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.6	0.7	0.9
Nitration	Abs/cm	ASTM D7624*	>20	12.8	8.7	10.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.8	21.1	22.3



OIL ANALYSIS REPORT



Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-268-2131. calgarymaintenance@gflenv.com 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.

Report Id: GFL550 [WCAMIS] 02589479 (Generated: 10/19/2023 12:11:00) Rev: 1

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history2

history2

history2

av18/73

v18/73

8/73

220 Carmek Blvd

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NEG

NEG

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