WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL NORMAL

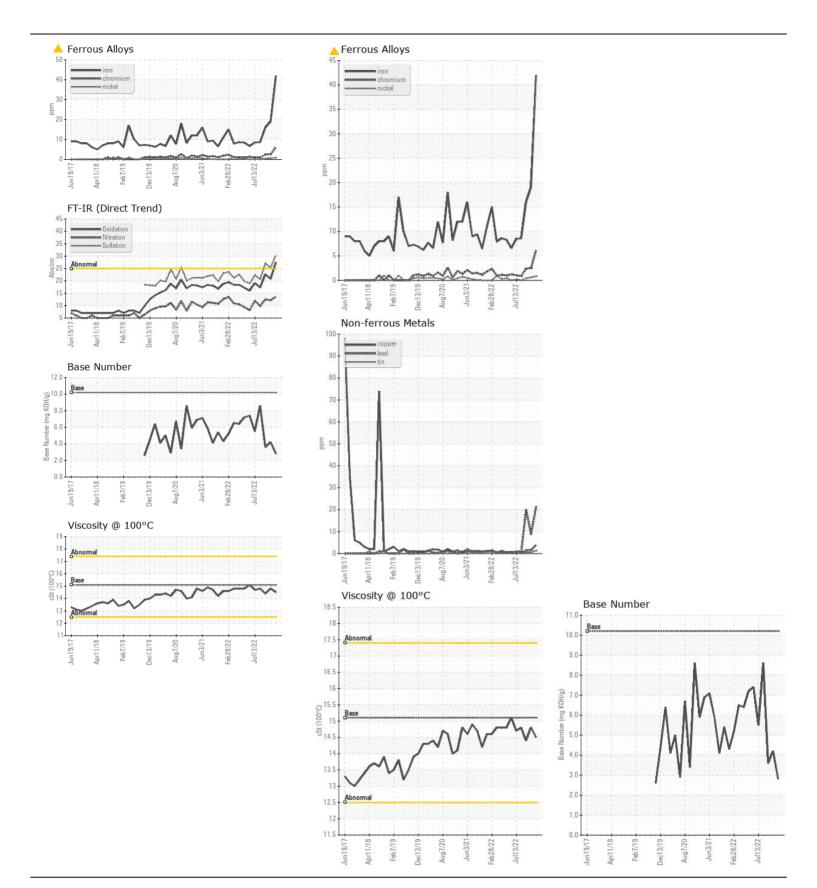
Machine Id

10738C AUTOCAR ACX

Natural Gas Engine

PETRO CANADA DURON GEO I D 15W40 (28 QTS)

RECOMMENDATION No corrective action is recommended at this time. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0117498	GFL0094759	GFL008926
	Sample Date		Client Info		12 May 2024	22 Nov 2023	31 Jul 202
	Machine Age	hrs	Client Info		0	17964	17222
	Oil Age	hrs	Client Info		0	3669	2927
	Filter Age	hrs	Client Info		0	3669	0
	Oil Changed		Client Info		N/A	Changed	Not Chang
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>50	42	19	16
	Chromium	ppm	ASTM D5185m	>4	<u>^</u> 6	2	2
Valve wear is indicated. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	<1
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		4	4	2
	Lead	ppm	ASTM D5185m		21	9	20
	Copper	ppm	ASTM D5185m	>35	4	2	1
	Tin	ppm	ASTM D5185m	>4	1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>+100	21	6	4
	Potassium	ppm	ASTM D5185m		14	10	3
There is no indication of any contamination in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0	0	0
	Nitration	Abs/cm	*ASTM D7624	>20	13.6	12.2	12.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	30.5	25.3	27.0
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		31	19	13
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	50	8	8	6
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		64	58	52
	Manganese	ppm	ASTM D5185m	0	2	<1	<1
	Magnesium	ppm	ASTM D5185m		653	594	556
	Calcium	ppm		1510	1910	1712	1683
	Phosphorus	ppm	ASTM D5185m	780	901	761	696
	Zinc	ppm	ASTM D5185m	870	1067	1046	967
	Sulfur	ppm	ASTM D5185m		2825	2833	2692
	Oxidation	Abs/.1mm	*ASTM D7414		27.5	20.8	22.6
	Base Number (BN)		ASTM D2896		2.8	4.2	3.6
	2400						







Laboratory Sample No.

Lab Number : 06176923

: GFL0117498

Unique Number : 11022976

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 May 2024 **Tested** : 14 May 2024

Diagnosed : 14 May 2024 - Don Baldridge

GFL Environmental - 001 - Raleigh(CNG)

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Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)