WEAR CONTAMINATION FLUID CONDITION

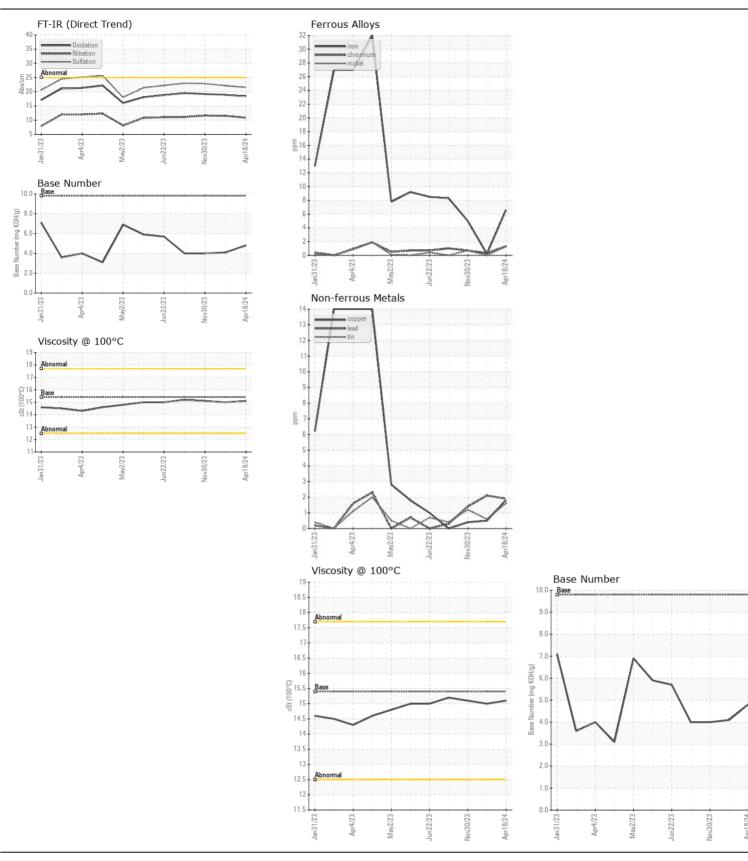
NORMAL NORMAL

Machine Id **733005**

Natural Gas Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0106857	GFL0092161	GFL009207
	Sample Date		Client Info		18 Apr 2024	07 Feb 2024	30 Nov 202
	Machine Age	hrs	Client Info		4287	3728	3177
	Oil Age	hrs	Client Info		20900	0	600
	Filter Age	hrs	Client Info		20900	0	600
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAI
WEAR	Iron	ppm	ASTM D5185m	>50	7	<1	5
WLAN	Chromium	ppm	ASTM D5185m		1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		1	0	<1
	Titanium	ppm	ASTM D5185m	72	- <1	0	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m		2	1	2
	Lead	ppm	ASTM D5185m		2	2	1
	Copper	ppm	ASTM D5185m		2	<1	<1
	Tin	ppm	ASTM D5185m		2	<1	1
	Vanadium	ppm	ASTM D5185m		- <1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTANUNATION			AOTA DE LOS	400			
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	<1	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4 NEO	1	<1
	Water	0/	WC Method	>0.1	NEG	NEG	NEG
	Soot %	% Aba/am	*ASTM D7844	00	0	0	0
	Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415		10.8 21.5	11.5 22.1	11.6 22.8
	Silt	scalar	*Visual	NONE	NONE	NONE	NON!
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m	^	6	6	6
	Boron	ppm	ASTM D5185m		10	8	7
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		55	51	53
	Manganese Magnesium	ppm	ASTM D5185m		1	1 506	<1
	Calcium	ppm	ASTM D5185m ASTM D5185m		547 1648	506 1496	587 1647
		ppm					
	Phosphorus	ppm	ASTM D5185m ASTM D5185m		684 966	597 890	728 1043
		ppm					
	Zinc	nnm	ASTM DE19Em	2060	2701	2175	ウトロウ
	Sulfur	ppm Abe/ 1mm	*ASTM D5185m		2701 18.4	2175	2583
		Abs/.1mm	*ASTM D7414	>25	2701 18.4 4.8	2175 18.9 4.1	19.2 4.0







Report Id: GFL856 [WUSCAR] 06160193 (Generated: 04/26/2024 13:37:36) Rev: 1

Laboratory Sample No.

: GFL0106857 Lab Number : 06160193 Unique Number: 10995616 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2024 **Tested** : 26 Apr 2024

Diagnosed : 26 Apr 2024 - Don Baldridge

8515 Highway 6 South

GFL Environmental - 856 - Houston South

Houston, TX US 77083 Contact: Apolinar Zacarias

Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. pzacariascano@gflenv.com

* - 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)

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