WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

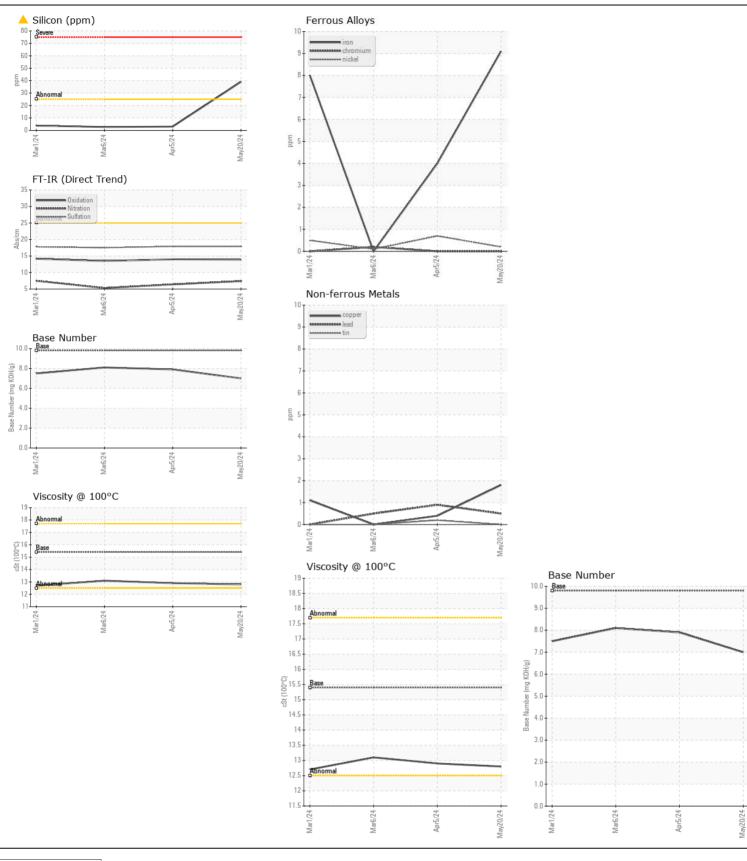
NORMAL

Machine Id

325053

Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (GAL))						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info	Ziiiii07 koii	GFL0111472	GFL0068850	GFL0068899
	Sample Date		Client Info		20 May 2024	05 Apr 2024	06 Mar 2024
	Machine Age	hrs	Client Info		20337	20100	19968
	Oil Age	hrs	Client Info		369	132	19968
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	9	4	0
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	0	0	<1
	Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	2	1
	Lead	ppm	ASTM D5185m	>40	<1	<1	<1
	Copper	ppm	ASTM D5185m	>330	2	<1	0
	Tin	ppm	ASTM D5185m	>15	0	<1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4 39	3	3
Flore and the set of allies of (Oi) also as a second	Potassium	ppm	ASTM D5185m	>20	6	1	2
Elemental level of silicon (Si) above normal.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	6.4	5.3
	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9	17.9	17.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		44	1	2
The DN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	0	3	2	5
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m		56	56	54
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		895	1006	949
	Calcium	ppm	ASTM D5185m		1101	1094	1010
	Phosphorus	ppm	ASTM D5185m		1033	1027	989
	Zinc	ppm	ASTM D5185m		1255	1321	1208
	Sulfur	ppm	ASTM D5185m		3569	3742	3004
	Oxidation	Abs/.1mm	*ASTM D7414		13.9	14.0	13.5
	Base Number (BN)				7.0	7.9	8.1
	Visc @ 100°C	cSt	ASTM D445	15.4	12.8	12.9	13.1





Certificate L2367

Laboratory

Sample No. Lab Number : 06187508

Test Package : FLEET

: GFL0111472 Unique Number : 11044260

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 May 2024 **Tested** : 23 May 2024 Diagnosed

: 24 May 2024 - Don Baldridge

GFL Environmental - 073 - Warner Robins - Transwaste

155 Story Road Warner Robins, GA US 31093

Contact: JOSH MALONEY jmaloney@gflenv.com

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)

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