

OIL ANALYSIS REPORT

Sample Rating Trend







					00110111		
	Sample Number		Client Info		GFL0056737	GFL0056607	GFL0052337
nterval to monitor.	Sample Date		Client Info		21 Sep 2023	06 Apr 2023	31 Aug 2022
	Machine Age	hrs	Client Info		4202	1978	1895
normal.	Oil Age	hrs	Client Info		0	294	593
	Oil Changed		Client Info		Changed	Changed	Changed
ontamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	WEAR METAL	S	method	limit/base	current	history1	history2
ere is suitable	Iron	ppm	ASTM D5185m	>50	13	12	10
he condition of the	Chromium	ppm	ASTM D5185m	>4	2	<1	1
).	Nickel	ppm	ASTM D5185m	>2	<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	<1
	Aluminum	ppm	ASTM D5185m	>9	4	3	1
	Lead	ppm	ASTM D5185m	>30	7	3	4
	Copper	ppm	ASTM D5185m	>35	0	0	5
	Tin	ppm	ASTM D5185m	>4	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	50	10	7	6
	Barium	ppm	ASTM D5185m	5	0	0	<1
	Molybdenum	ppm	ASTM D5185m		54	46	47
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	560	615	476	486
	Calcium	ppm	ASTM D5185m	1510	1745	1478	1467
	Phosphorus	ppm	ASTM D5185m	780	763	612	568
	Zinc	ppm	ASTM D5185m		1029	804	870
	Sulfur	ppm	ASTM D5185m	2040	3013	2003	2063
	CONTAMINAN	TS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>+100	5	4	5
	Sodium	ppm	ASTM D5185m		9	8	8
	Potassium	ppm	ASTM D5185m	>20	3	<1	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844		0	0.1	0
	Nitration	Abs/cm	*ASTM D7624	>20	11.0	11.6	12.5
	Sulfation	Abs/.1mm	*ASTM D7415	> 20	24.1	23.9	24.6
	Sullation	AUS/.111111	A011/10/410	>00	24.1	20.0	24.0

SAMPLE INFORMATION method

FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	18.8	20.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.7	3.8	4.1

Machine Id 10498C ISL

Component **Natural Gas Engine**

PETRO CANADA DURON GEO LD 15W40 (28 QTS)

DIAGNOSIS

Recommendation

Resample at the next service int

Wear

All component wear rates are no

Contamination

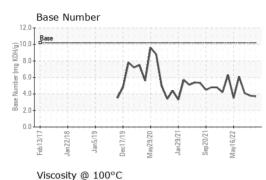
There is no indication of any cor oil.

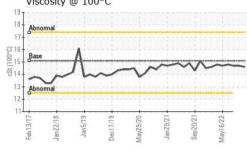
Fluid Condition

The BN result indicates that ther alkalinity remaining in the oil. Th oil is suitable for further service.



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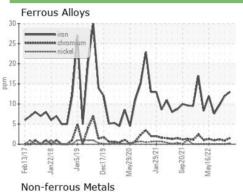


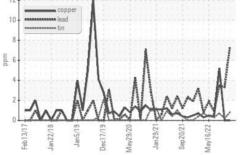


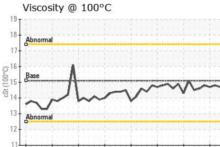
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.7	14.7
GRAPHS						

(mg KOH/g)

ase







Sep20/21

Diagnostician : Wes Davis

Jan 29/21

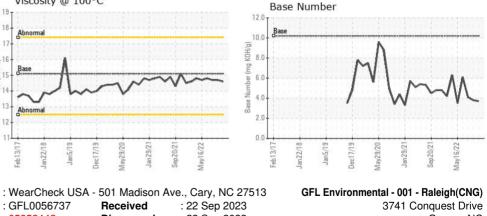
Received

Diagnosed

May16/22

: 22 Sep 2023

: 22 Sep 2023



Garner, NC US 27529 Contact: Craig Johnson craig.johnson@gflenv.com T: (919)662-7100 F: (919)662-7130



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)

Feb13/17

Laboratory

Sample No.

Lab Number

Unique Number : 10659655

Jan 22/18 an5/19 Dec17/19

: GFL0056737

: 05958442