

OIL ANALYSIS REPORT

SAMPLE INFORMATION

Sample Number

Sample Rating Trend

NORMAL



Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (48 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

	2015 May2016	May2017 Mar2018	Apr2019 May2020	Dec2020 Oc	2023	
me	ethod	limit/base	cur	rent	history1	history2
Clie	nt Info		GFL009	4644	GFL0094757	GFL0094676
Olia			05 Dec 0000		05 Nav. 0000	07 0 + 0000

Sample Number		Client Into		GFL0094044	GFL0094757	GFL0094070
Sample Date		Client Info		05 Dec 2023	25 Nov 2023	27 Oct 2023
Machine Age	hrs	Client Info		43395	43324	43120
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
	_				, BITOT III, IE	HOT IN AL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	17	46	48
Chromium	ppm	ASTM D5185m	>4	2	6	6
Nickel	ppm	ASTM D5185m	>2	0	2	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		2	8	7
Lead	ppm	ASTM D5185m	>30	- <1	9	7
Copper	ppm	ASTM D5185m		2	13	12
Tin	ppm	ASTM D5185m	>4	1	2	2
Vanadium	ppm	ASTM D5185m	~7	0	0	0
Cadmium		ASTM D5185m		0	<1	0
	ppm	AGTINI DOTODITI		0		0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	33	6	6
Barium	ppm	ASTM D5185m	5	5	1	20
Molybdenum	ppm	ASTM D5185m	50	47	65	60
Manganese	ppm	ASTM D5185m	0	0	2	1
Magnesium	ppm	ASTM D5185m	560	470	611	558
Calcium	ppm	ASTM D5185m	1510	1338	1707	1525
Phosphorus	ppm	ASTM D5185m	780	699	734	703
Zinc	ppm	ASTM D5185m	870	790	1008	924
Sulfur	ppm	ASTM D5185m	2040	2296	2692	3118
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	17	19
Sodium	ppm	ASTM D5185m		5	▲ 59	57
Potassium	ppm	ASTM D5185m	>20	22	▲ 53	21
INFRA-RED		method	limit/base	current	historv1	historv2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	7.3	13.2	12.4
Sulfation	Abs/.1mm	*ASTM D7024		19.6	27.8	26.0
FLUID DEGRA			limit/base		history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	23.5	21.8
	1/011/	AOTH DOCCO	100		0.5	0.0

8.0

2.5

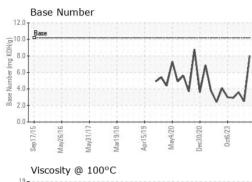
Base Number (BN) mg KOH/g ASTM D2896 10.2

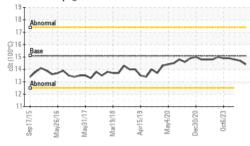
3.6



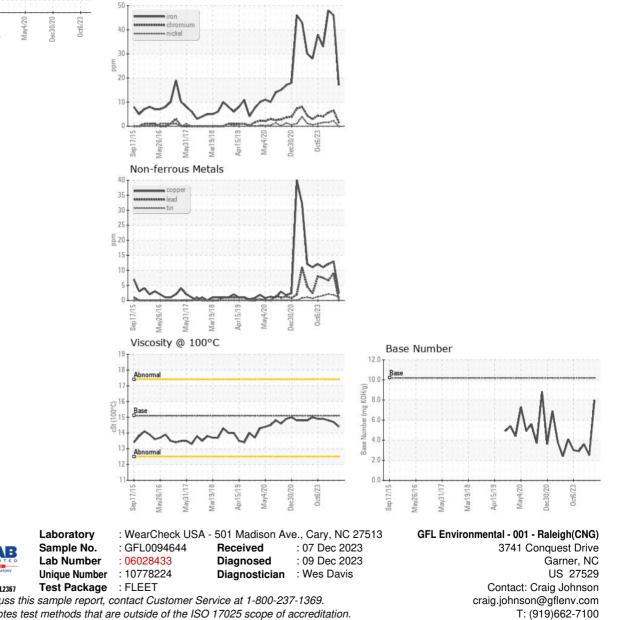
OIL ANALYSIS REPORT

Ferrous Alloys





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	14.4	14.7	14.8
GRAPHS						





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)

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