

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (29 QTS)

Machine Id 10751C Component

DIAGNOSIS

Elui

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





DIAGNOSIS	SAMPLE INFORM		methou	limit/base	current	nistory i	nistory2
Recommendation	Sample Number		Client Info		GFL0088546	GFL0083333	GFL0065789
Resample at the next service interval to monitor.	Sample Date		Client Info		22 Aug 2023	22 May 2023	28 Feb 2023
Wear	Machine Age	hrs	Client Info		5684	5684	5684
All component wear rates are normal.	Oil Age	hrs	Client Info		443	563	352
Contamination	Oil Changed		Client Info		N/A	N/A	N/A
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.				11 1.0			
Fluid Condition	WEAR METAL	5	method	limit/base	current	history1	history2
The BN result indicates that there is suitable	Iron	ppm	ASTM D5185m	>50	13	14	12
alkalinity remaining in the oil. The condition of the	Chromium	ppm	ASTM D5185m	>4	2	1	<1
oil is suitable for further service.	Nickel	ppm	ASTM D5185m	>2	0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	<1
	Aluminum	ppm	ASTM D5185m	>9	1	0	3
	Lead	ppm	ASTM D5185m	>30	<1	<1	0
	Copper	ppm	ASTM D5185m	>35	<1	<1	1
	Tin	ppm	ASTM D5185m	>4	<1	<1	0
	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	4	3	10
	Barium	ppm	ASTM D5185m	5	0	0	0
	Molybdenum	ppm	ASTM D5185m	50	54	53	57
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	560	574	539	846
	Calcium	ppm	ASTM D5185m	1510	1521	1725	1166
	Phosphorus	ppm	ASTM D5185m	780	726	647	976
	Zinc	ppm	ASTM D5185m	870	985	983	1181
	Sulfur	ppm	ASTM D5185m	2040	2569	2577	2810
	CONTAMINAN	TS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>+100	5	5	10
	Sodium	ppm	ASTM D5185m		10	14	4
	Potassium	ppm	ASTM D5185m	>20	10	10	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844		0	0	0.5

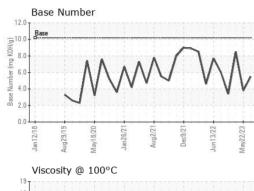
SAMPLE INFORMATION meth

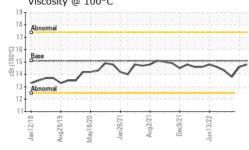
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	54	53	57
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	574	539	846
Calcium	ppm	ASTM D5185m	1510	1521	1725	1166
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Sulfur	ppm	ASTM D5185m	2040	2569	2577	2810
CONTAMINAN	TS	method	limit/base	current	history1	history2

Potassium	ppm	ASTM D5185m	>20	10	10	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.5
Nitration	Abs/cm	*ASTM D7624	>20	10.1	11.2	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	22.5	19.0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	18.8	14.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.5	3.8	8.5

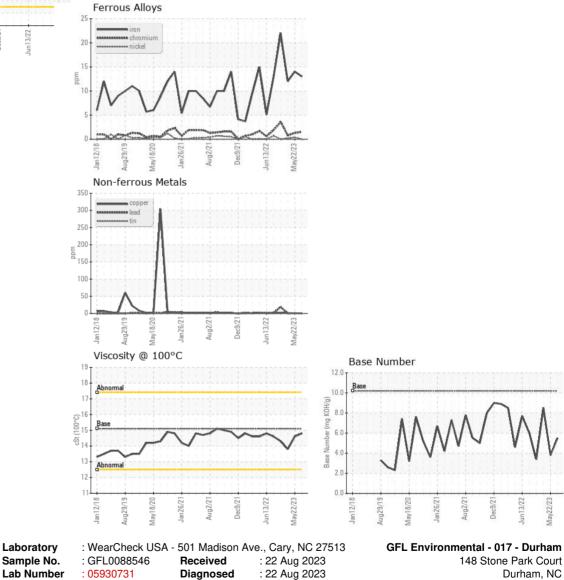


OIL ANALYSIS REPORT





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	14.8	14.6	13.8
GRAPHS						





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)

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