

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend

## NORMAL

# Machine Id 10545C

Component **Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (9 G

### 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.

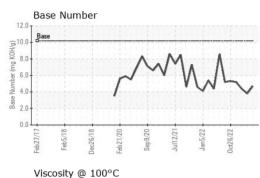
## Fluid Condition

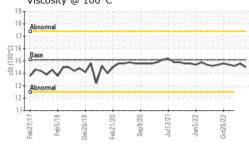
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

9 GAL)		2017 Feb20	00000000000000000000000000000000000000	Sep2020 Jul2021 Jan2022						
SAMPLE INFORMATION method limit/base current history1 history2										
Sample Number		Client Info		GFL0087535	GFL0071834	GFL0071808				
Sample Date		Client Info		19 Jul 2023	25 Apr 2023	24 Feb 2023				
Machine Age	hrs	Client Info		22437	21875	21457				
Oil Age	hrs	Client Info		562	572	154				
Oil Changed		Client Info		N/A	Changed	Not Changd				
Sample Status				NORMAL	NORMAL	ABNORMAL				
WEAR METAL	_S	method	limit/base	current	history1	history2				
Iron	ppm	ASTM D5185m	>50	13	41	36				
Chromium	ppm	ASTM D5185m	>4	1	4	3				
Nickel	ppm	ASTM D5185m	>2	<1	<1	1				
Titanium	ppm	ASTM D5185m		<1	<1	<1				
Silver	ppm	ASTM D5185m	>3	0	0	0				
Aluminum	ppm	ASTM D5185m	>9	2	8	8				
Lead	ppm	ASTM D5185m	>30	3	26	<b>A</b> 30				
Copper	ppm	ASTM D5185m	>35	<1	2	2				
Tin	ppm	ASTM D5185m	>4	<1	2	2				
Vanadium	ppm	ASTM D5185m		<1	0	0				
Cadmium	ppm	ASTM D5185m		0	0	0				
ADDITIVES		method	limit/base	current	history1	history2				
Boron	ppm	ASTM D5185m	50	12	22	16				
Barium	ppm	ASTM D5185m	5	0	0	0				
Molybdenum	ppm	ASTM D5185m	50	59	71	72				
Manganese	ppm	ASTM D5185m	0	<1	2	2				
Magnesium	ppm	ASTM D5185m	560	610	795	735				
Calcium	ppm	ASTM D5185m	1510	1801	2144	2169				
Phosphorus	ppm	ASTM D5185m	780	785	1056	1026				
Zinc	ppm	ASTM D5185m	870	1042	1308	1304				
Sulfur	ppm	ASTM D5185m	2040	3060	3387	2869				
CONTAMINAN	NTS	method	limit/base	current	history1	history2				
Silicon	ppm	ASTM D5185m	>+100	3	6	6				
Sodium	ppm	ASTM D5185m		10	15	14				
Potassium	ppm	ASTM D5185m	>20	<1	0	1				
INFRA-RED		method	limit/base	current	history1	history2				
Soot %	%	*ASTM D7844		0.1	0.1	0.1				
Nitration	Abs/cm	*ASTM D7624	>20	11.5	14.3	14.9				
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	28.0	28.6				
Canadion										
FLUID DEGRA	DATION	method	limit/base	current	history1	history2				
	DATION Abs/.1mm	method *ASTM D7414		current 19.0	history1 24.2	history2 24.2				

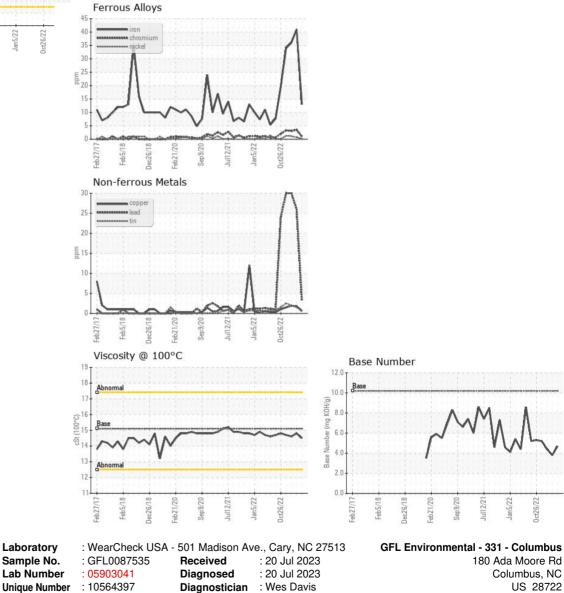


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	14.5	14.8	14.6
GRAPHS						



 Certificate L2367
 Test Package
 : FLEET

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 \* - 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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