



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**810021**

Component  
**Natural Gas Engine**

Fluid  
**PETRO CANADA DURON GEO LD 15W40 (36 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0101763</b>	PCA0077298	PCA0077310
Sample Date		Client Info		<b>09 Jan 2024</b>	27 Jun 2023	21 Dec 2022
Machine Age	hrs	Client Info		<b>7926</b>	6747	5586
Oil Age	hrs	Client Info		<b>1179</b>	1161	1466
Filter Age	hrs	Client Info		<b>1179</b>	1161	1466
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>10</b>	13	15
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>4</b>	2	2
Lead	ppm	ASTM D5185m	>30	<b>3</b>	0	4
Copper	ppm	ASTM D5185m	>35	<b>2</b>	3	3
Tin	ppm	ASTM D5185m	>4	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

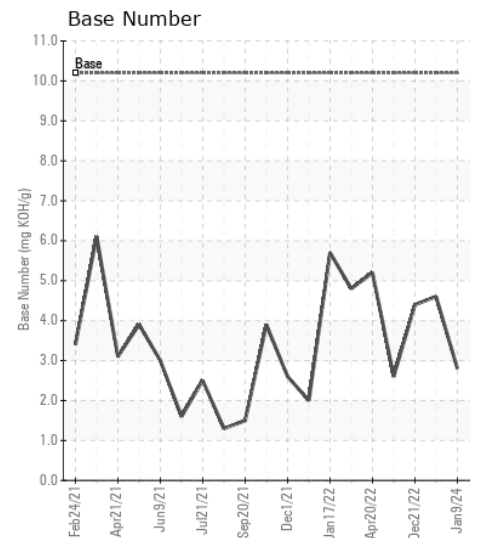
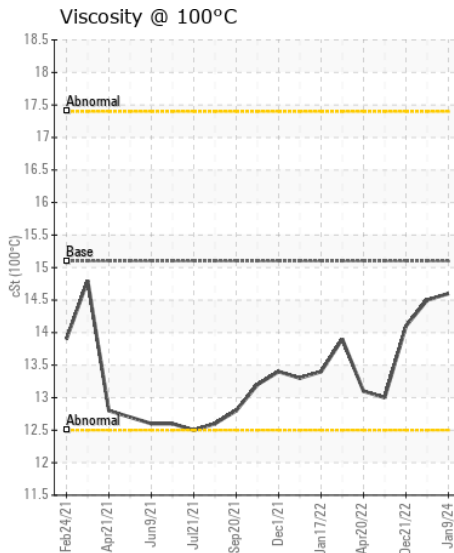
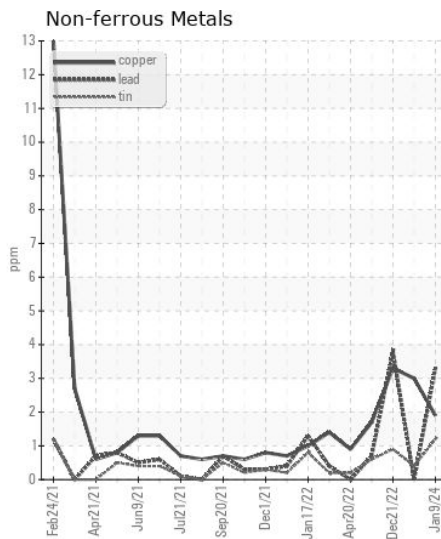
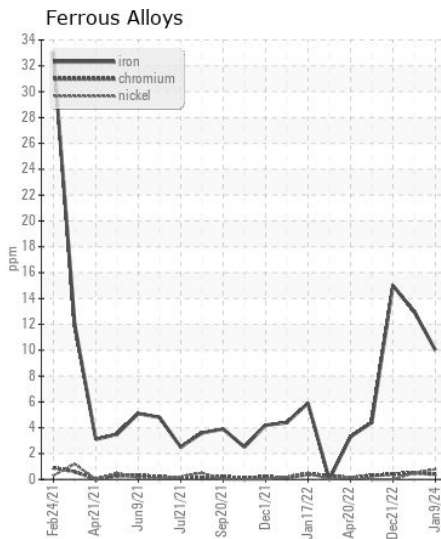
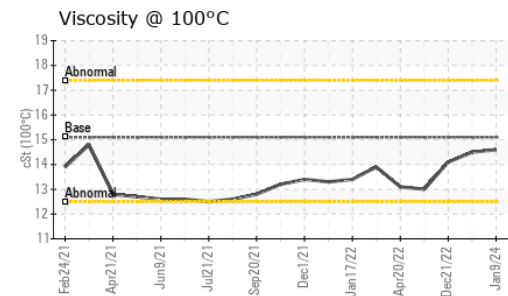
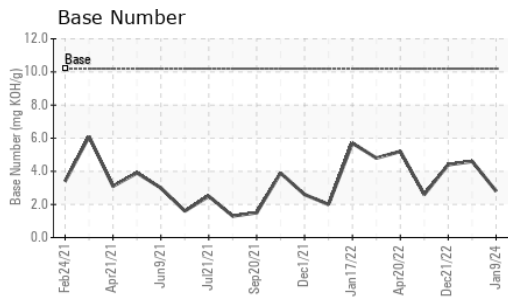
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	<b>5</b>	6	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.2</b>	10.4	11.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.2</b>	20.8	27.1
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**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.

Sodium	ppm	ASTM D5185m		<b>4</b>	6	7
Boron	ppm	ASTM D5185m	50	<b>2</b>	10	12
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>49</b>	51	52
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	560	<b>565</b>	543	497
Calcium	ppm	ASTM D5185m	1510	<b>1609</b>	1653	1593
Phosphorus	ppm	ASTM D5185m	780	<b>729</b>	698	713
Zinc	ppm	ASTM D5185m	870	<b>998</b>	978	931
Sulfur	ppm	ASTM D5185m	2040	<b>2339</b>	2988	3467
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.2</b>	18.0	21.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	<b>2.8</b>	4.6	4.4
Visc @ 100°C	cSt	ASTM D445	15.1	<b>14.6</b>	14.5	14.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0101763 **Received** : 11 Jan 2024  
**Lab Number** : 06057870 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829252 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

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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)