

## Machine Id 931016 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECON	IMENDATION	

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

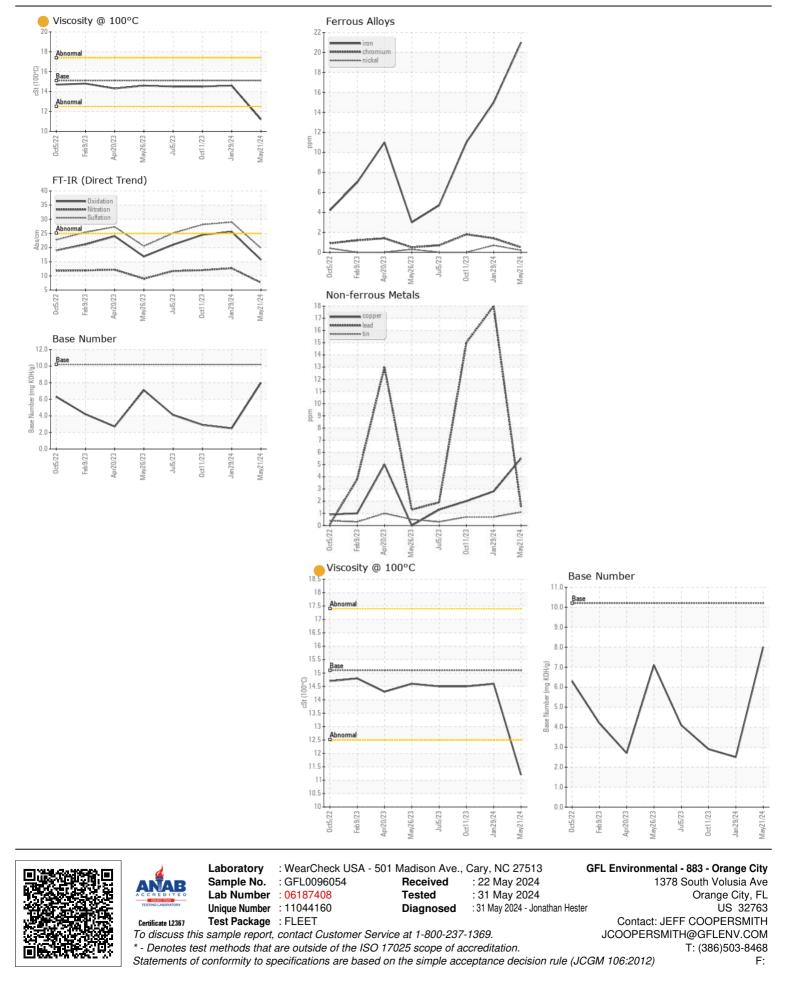
There is no indication of any contamination in the oil.

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## FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0096054	GFL0095999	GFL0095985
Sample Date		Client Info		21 May 2024	29 Jan 2024	11 Oct 2023
Machine Age	hrs	Client Info		9842	9000	8147
Oil Age	hrs	Client Info		600	600	600
Filter Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	21	15	11
Chromium	ppm	ASTM D5185m	>4	<1	1	2
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m	0	<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	4	2
Lead	ppm	ASTM D5185m	>30	2	18	15
Copper	ppm	ASTM D5185m	>35	6	3	2
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Vanadium	ppm	ASTM D5185m	NONE	0		<1
White Metal	scalar	*Visual	NONE	NONE NONE	NONE	NONE
 Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>+100	4	7	6
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.7	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.6	12.7	12.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	29.0	28.1
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
Sodium	ppm	ASTM D5185m		2	8	9
Boron	ppm	ASTM D5185m	50	27	13	8
Barium	ppm	ASTM D5185m	5	<1	0	0
Molybdenum	ppm	ASTM D5185m	50	48	59	60
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	573	666	632
Calcium	ppm	ASTM D5185m	1510	1317	1769	1674
Phosphorus	ppm	ASTM D5185m	780	885	900	865
Zinc	ppm	ASTM D5185m	870	998	1170	1107
Sulfur	ppm	ASTM D5185m	2040	2834	2621	2575
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	25.6	24.5
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	8.0	2.5	2.9
Visc @ 100°C	cSt	ASTM D445	15.1	11.2	14.6	14.5



Submitted By: Kenneth Pearce Page 2 of 2