



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
731009
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0100746	GFL0100726	GFL0079569
Sample Date		Client Info		24 May 2024	09 Jan 2024	02 Jun 2023
Machine Age	kms	Client Info		124157	110752	90610
Oil Age	kms	Client Info		0	0	2299
Filter Age	kms	Client Info		0	0	2299
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	11	12	6
Chromium	ppm	ASTM D5185(m)	>4	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	1	2	1
Lead	ppm	ASTM D5185(m)	>30	0	<1	<1
Copper	ppm	ASTM D5185(m)	>35	2	1	<1
Tin	ppm	ASTM D5185(m)	>4	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

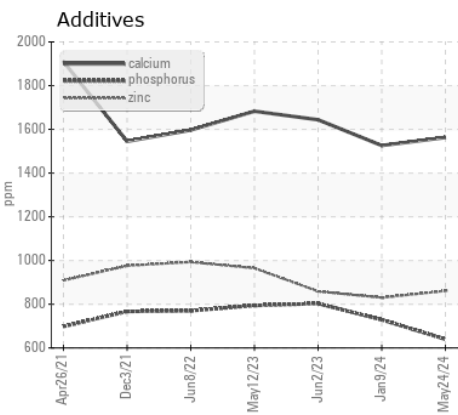
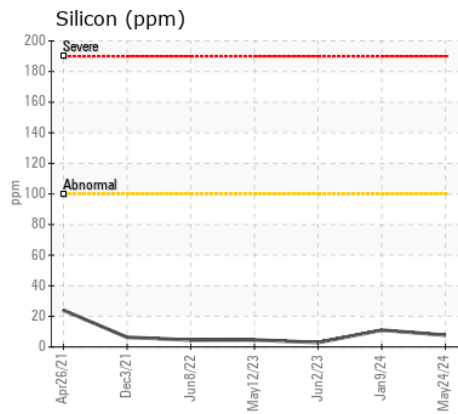
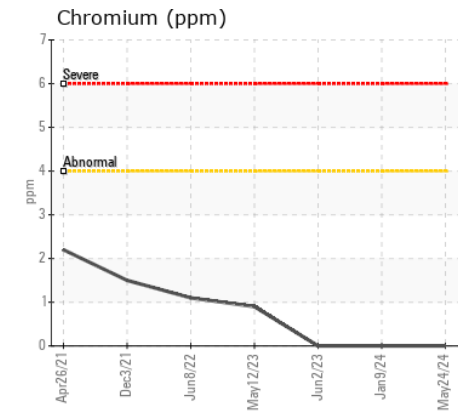
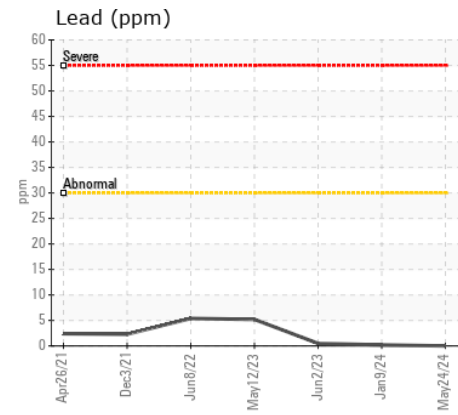
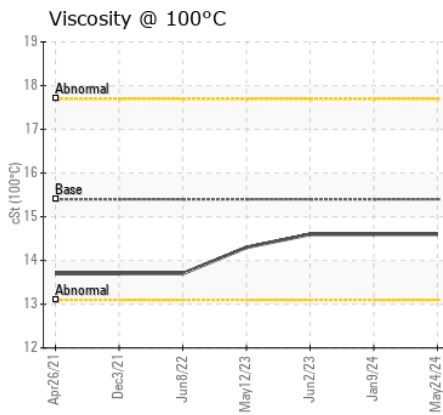
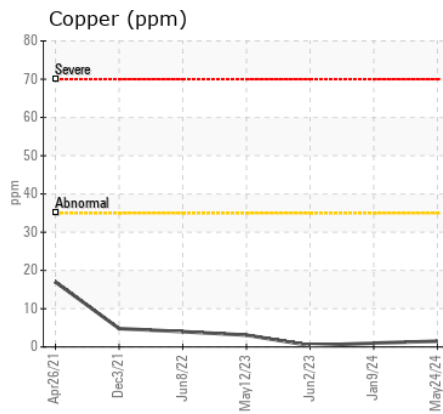
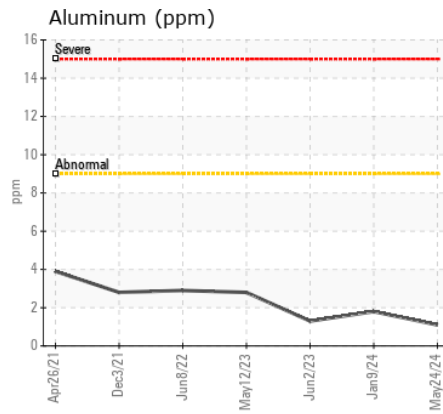
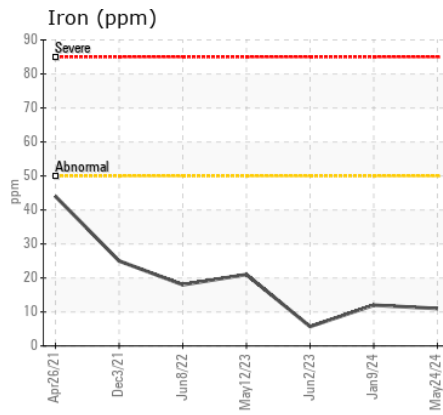
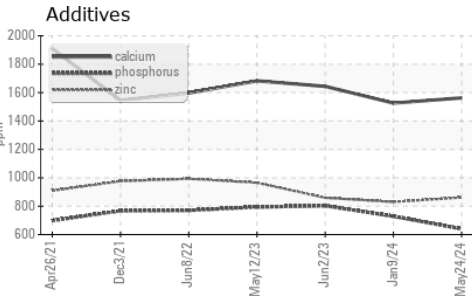
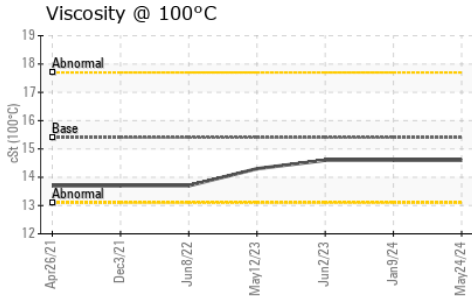
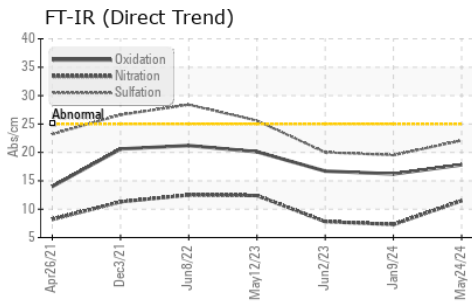
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	8	11	3
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.5	7.3	7.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.1	19.5	20.0
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	3	2
Boron	ppm	ASTM D5185(m)	0	7	30	25
Barium	ppm	ASTM D5185(m)	0	<1	5	0
Molybdenum	ppm	ASTM D5185(m)	60	51	47	48
Manganese	ppm	ASTM D5185(m)	0	<1	2	<1
Magnesium	ppm	ASTM D5185(m)	1010	528	528	540
Calcium	ppm	ASTM D5185(m)	1070	1563	1526	1644
Phosphorus	ppm	ASTM D5185(m)	1150	640	729	803
Zinc	ppm	ASTM D5185(m)	1270	861	830	859
Sulfur	ppm	ASTM D5185(m)	2060	1905	2075	2065
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.8	16.2	16.7
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.6	14.6	14.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0100746
Lab Number : 02638359
Unique Number : 5787521
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.