



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
4587
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118976	GFL0102605	GFL0097634
Sample Date		Client Info		18 Jun 2024	13 Feb 2024	16 Nov 2023
Machine Age	hrs	Client Info		0	0	2717
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>110	42	49	53
Chromium	ppm	ASTM D5185(m)	>4	2	2	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	3	4	3
Lead	ppm	ASTM D5185(m)	>45	3	5	11
Copper	ppm	ASTM D5185(m)	>85	2	3	4
Tin	ppm	ASTM D5185(m)	>4	<1	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

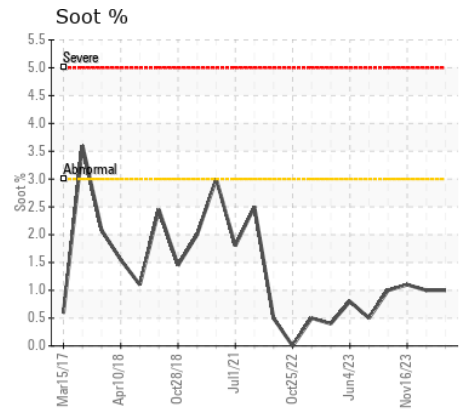
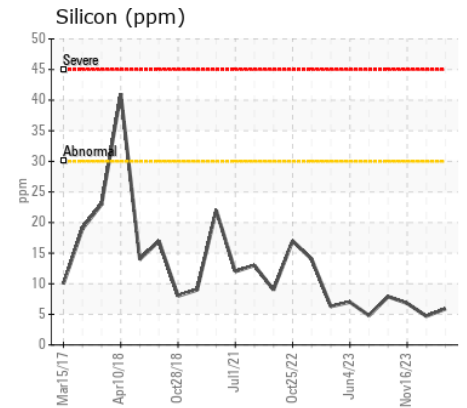
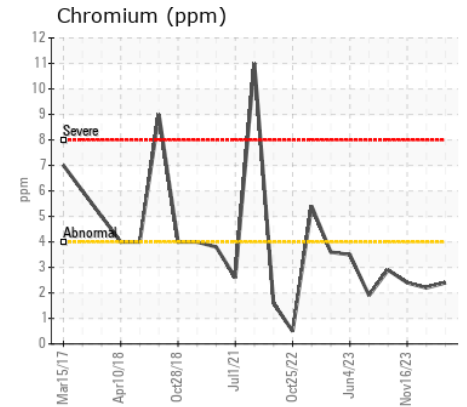
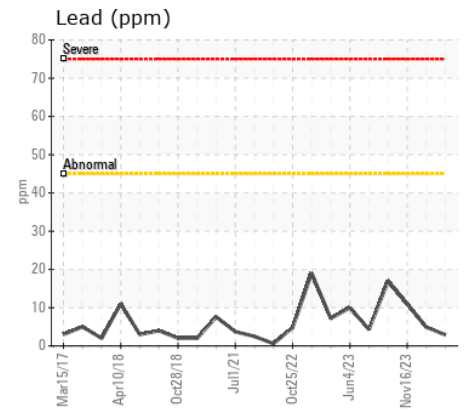
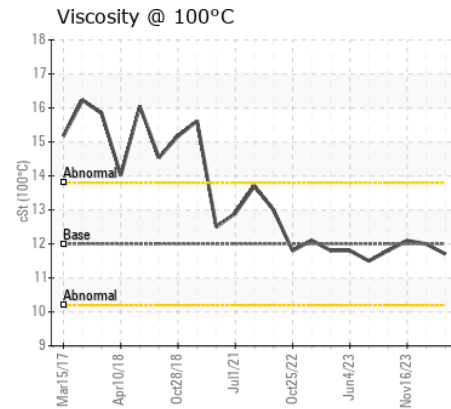
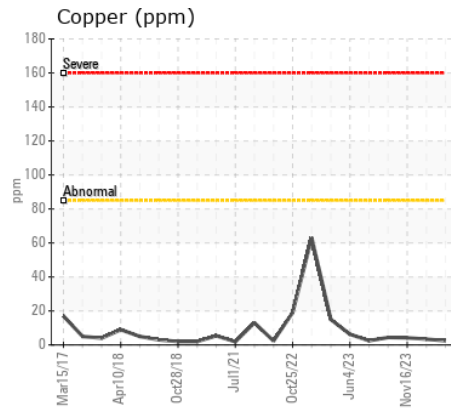
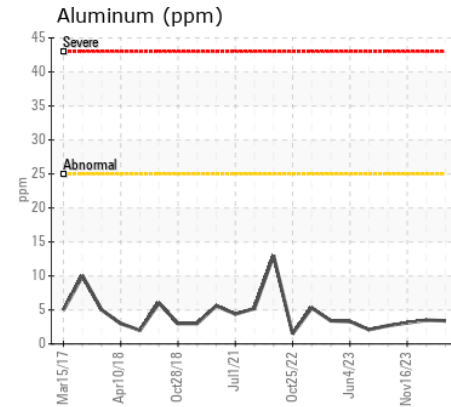
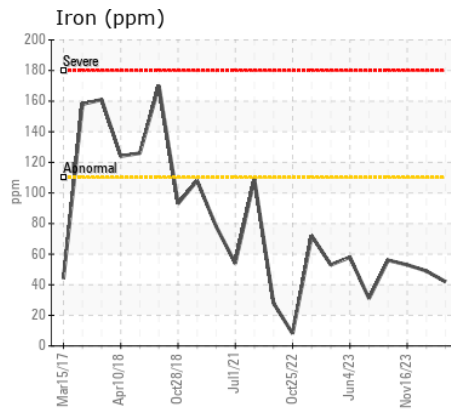
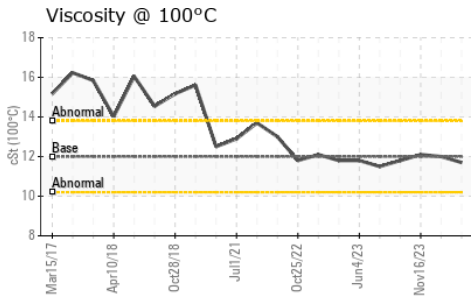
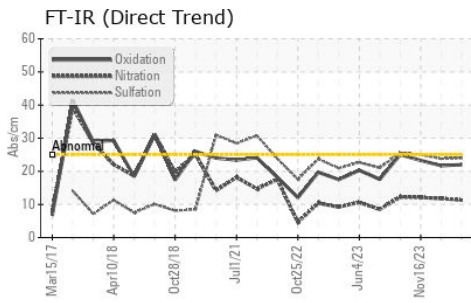
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	6	5	7
Potassium	ppm	ASTM D5185(m)	>20	1	1	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	1	1	1.1
Nitration	Abs/cm	ASTM D7624*	>20	11.3	11.8	12.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.0	23.8	25.0
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		7	7	8
Boron	ppm	ASTM D5185(m)	2	2	2	2
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	61	61	62
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	950	952	994	1001
Calcium	ppm	ASTM D5185(m)	1050	1063	1113	1103
Phosphorus	ppm	ASTM D5185(m)	995	1002	1027	1015
Zinc	ppm	ASTM D5185(m)	1180	1202	1225	1246
Sulfur	ppm	ASTM D5185(m)	2600	2360	2554	2401
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.0	21.7	23.3
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.7	12.0	12.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118976
Lab Number : 02642754
Unique Number : 5800293
Test Package : MOB 1

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 8409 - 15th Street NW
 Edmonton, AB
 CA T6P 0B8
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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.