



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
9145
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION

Please note that all wear metal and contaminant levels are being considered accumulative. Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes BN to determine the suitability of the oil for continued use.

WEAR

An increase in the copper level is noted. All other component wear rates are normal.

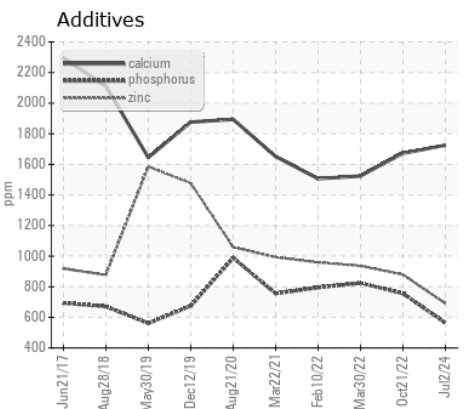
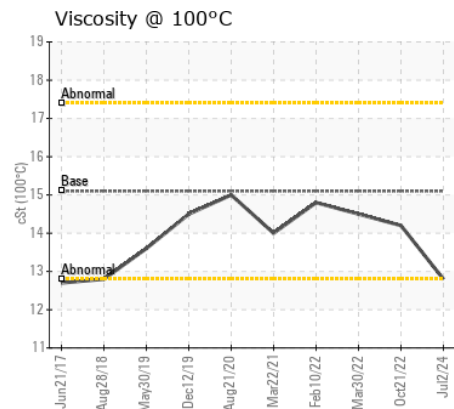
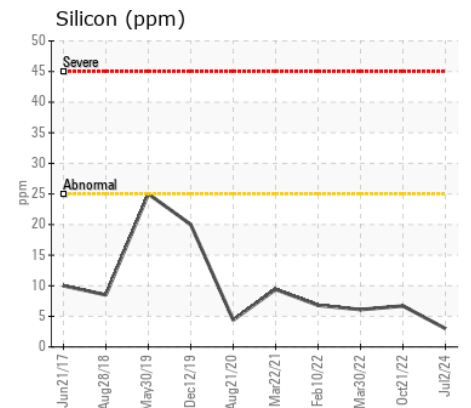
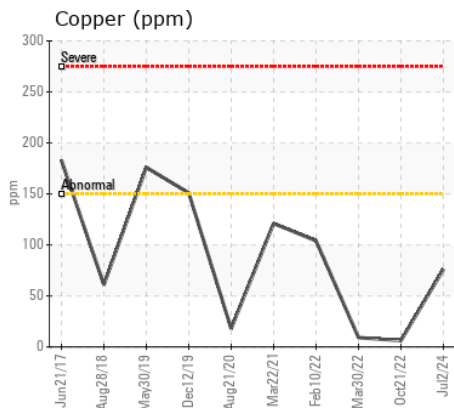
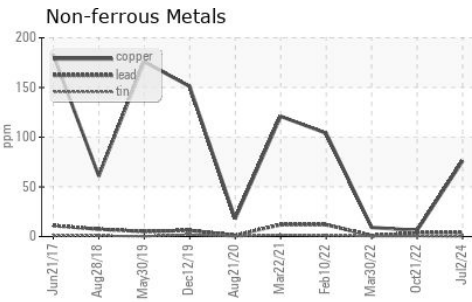
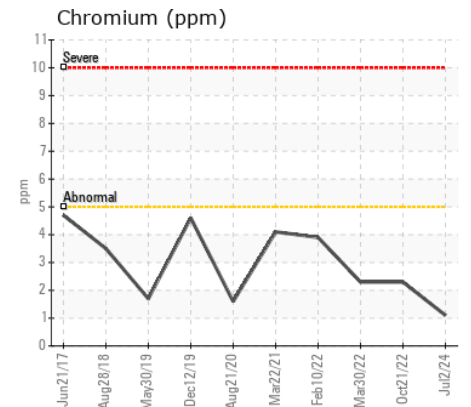
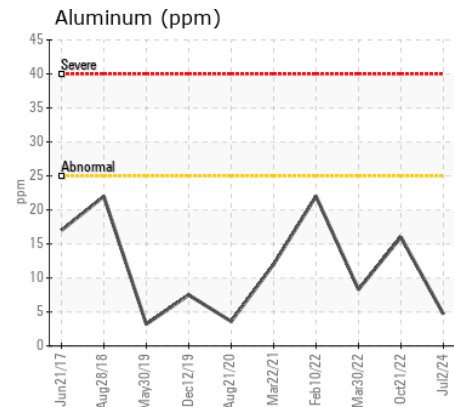
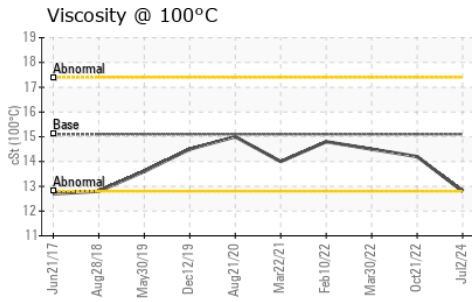
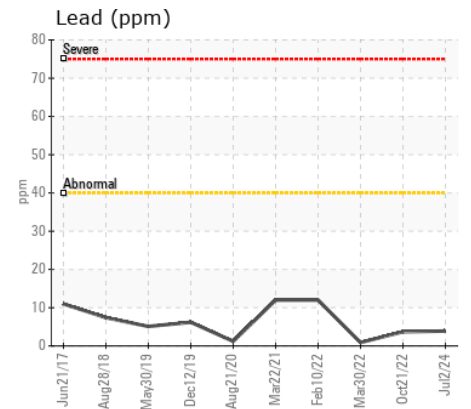
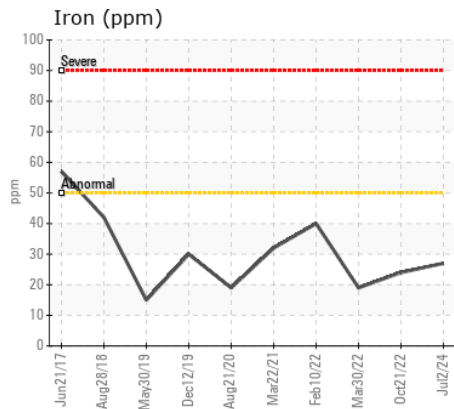
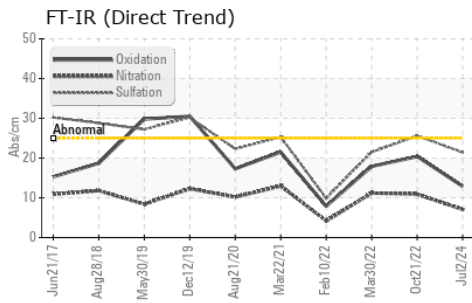
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0125472	GFL0060171	GFL0048926
Sample Date		Client Info		02 Jul 2024	21 Oct 2022	30 Mar 2022
Machine Age	hrs	Client Info		15059	155193	142655
Oil Age	hrs	Client Info		1200	0	0
Filter Age	hrs	Client Info		1200	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>50	27	24	19
Chromium	ppm	ASTM D5185(m)	>5	1	2	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>5	0	<1	0
Silver	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>25	5	16	8
Lead	ppm	ASTM D5185(m)	>40	4	4	<1
Copper	ppm	ASTM D5185(m)	>150	76	6	9
Tin	ppm	ASTM D5185(m)	>4	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	3	7	6
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.1	10.9	11.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.4	25.6	21.5
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		4	9	7
Boron	ppm	ASTM D5185(m)	50	11	10	16
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	118	54	52
Manganese	ppm	ASTM D5185(m)	0	1	<1	<1
Magnesium	ppm	ASTM D5185(m)	560	103	564	631
Calcium	ppm	ASTM D5185(m)	1510	1725	1672	1524
Phosphorus	ppm	ASTM D5185(m)	780	564	756	824
Zinc	ppm	ASTM D5185(m)	870	691	879	936
Sulfur	ppm	ASTM D5185(m)	2040	2058	2052	2072
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.9	20.4	17.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	12.8	14.2	14.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0125472
Lab Number : 02645128
Unique Number : 5802667
Test Package : MOB 1
Received : 03 Jul 2024
Tested : 03 Jul 2024
Diagnosed : 03 Jul 2024 - Kevin Marson

GFL Environmental - 209 - Hamilton
 560 Seaman Street
 Stoney Creek, ON
 CA L8E 3X7
 Contact: Fred Carleton
 fred.carleton@gflenv.com
 T: (289)925-6693
 F: (905)664-9008

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.