



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 51928
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0915476	WC0904902	WC0864007
Sample Date		Client Info		14 Apr 2024	15 Feb 2024	26 Oct 2023
Machine Age	kms	Client Info		784778	734944	35418
Oil Age	kms	Client Info		0	0	35418
Filter Age	kms	Client Info		0	0	35418
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	14	17	18
Chromium	ppm	ASTM D5185(m)	>20	1	1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	2	3
Lead	ppm	ASTM D5185(m)	>40	<1	2	3
Copper	ppm	ASTM D5185(m)	>330	<1	<1	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

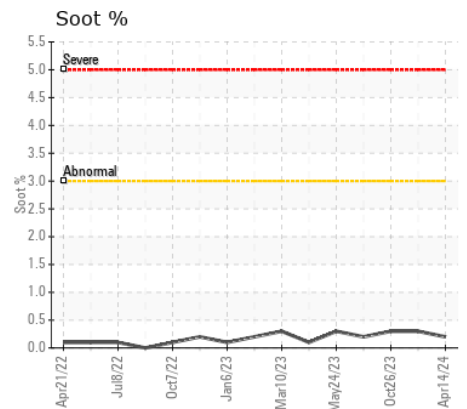
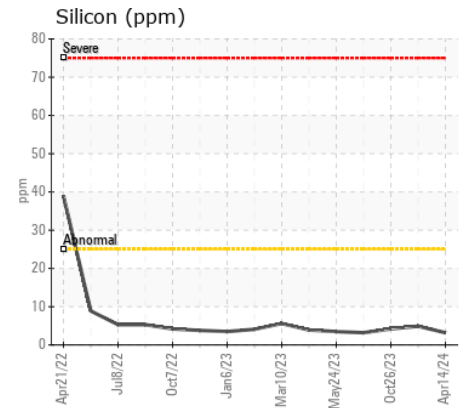
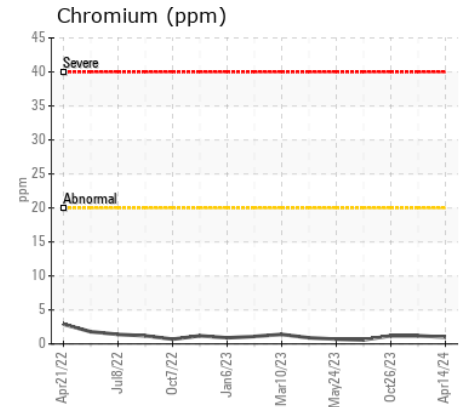
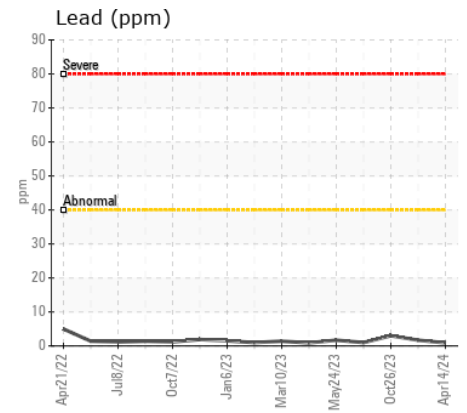
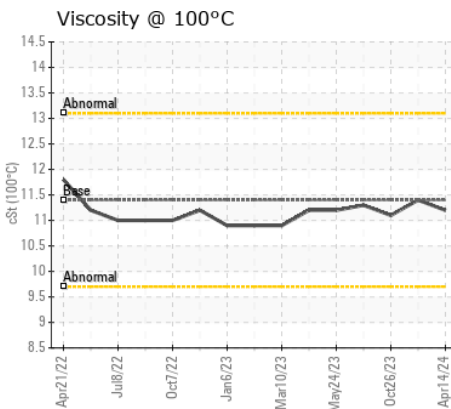
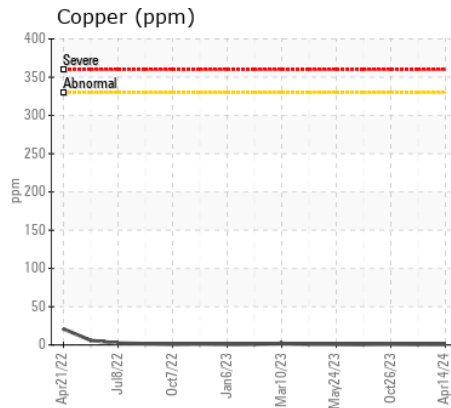
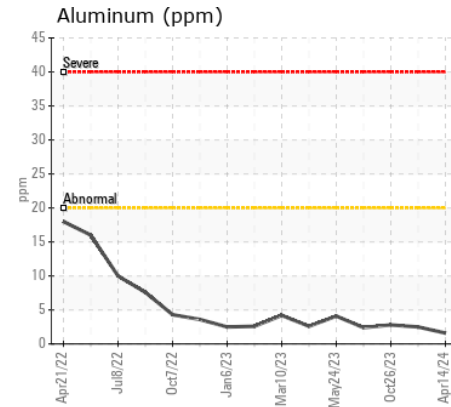
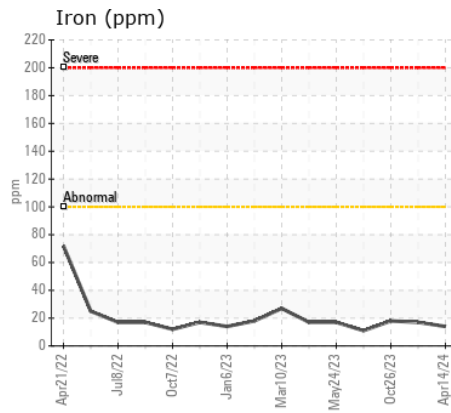
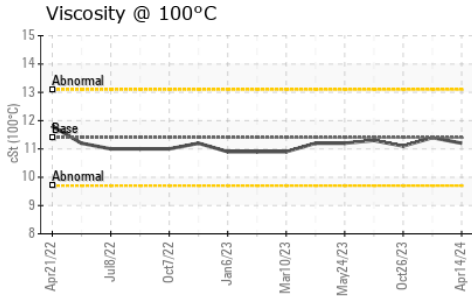
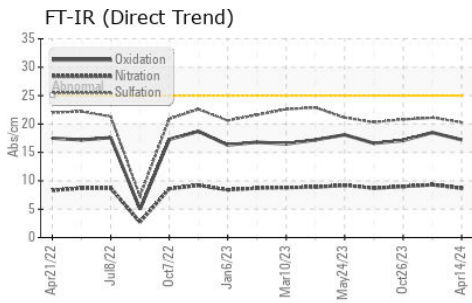
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	5	4
Potassium	ppm	ASTM D5185(m)	>20	<1	2	2
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.2	0.3	0.3
Nitration	Abs/cm	ASTM D7624*	>20	8.7	9.3	9.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.3	21.1	20.8
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)		2	2	2
Boron	ppm	ASTM D5185(m)	1	5	4	6
Barium	ppm	ASTM D5185(m)	1	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	1	62	61	67
Manganese	ppm	ASTM D5185(m)	1	<1	0	0
Magnesium	ppm	ASTM D5185(m)	10	1013	1002	1060
Calcium	ppm	ASTM D5185(m)	2942	1119	1092	1197
Phosphorus	ppm	ASTM D5185(m)	1102	1030	1026	1082
Zinc	ppm	ASTM D5185(m)	1351	1262	1235	1328
Sulfur	ppm	ASTM D5185(m)	3903	2377	2483	2504
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.2	18.5	17.1
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.2	11.4	11.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0915476 **Received** : 30 Apr 2024
Lab Number : 02632288 **Tested** : 30 Apr 2024
Unique Number : 5773441 **Diagnosed** : 30 Apr 2024 - Wes Davis
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.