



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		WC0904902	WC0864007	WC0828214
Sample Date		Client Info		15 Feb 2024	26 Oct 2023	28 Jun 2023
Machine Age	kms	Client Info		734944	35418	30000
Oil Age	kms	Client Info		0	35418	30000
Filter Age	kms	Client Info		0	35418	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	17	18	11
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	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	3	2
Lead	ppm	ASTM D5185(m)	>40	2	3	1
Copper	ppm	ASTM D5185(m)	>330	<1	1	<1
Tin	ppm	ASTM D5185(m)	>15	<1	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

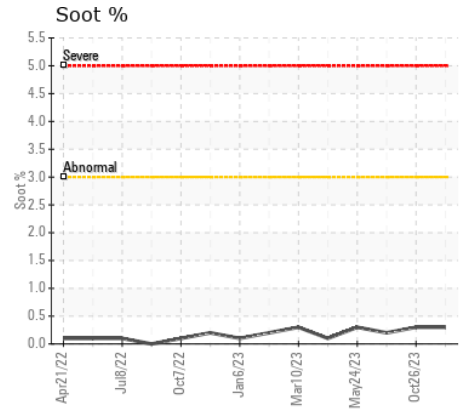
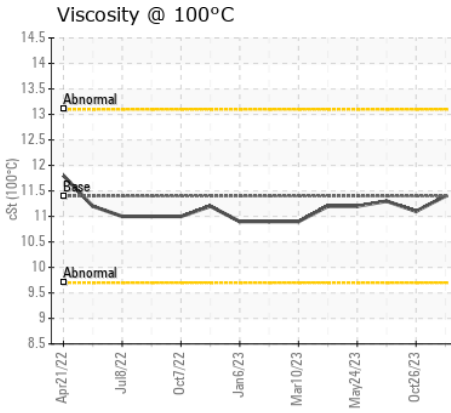
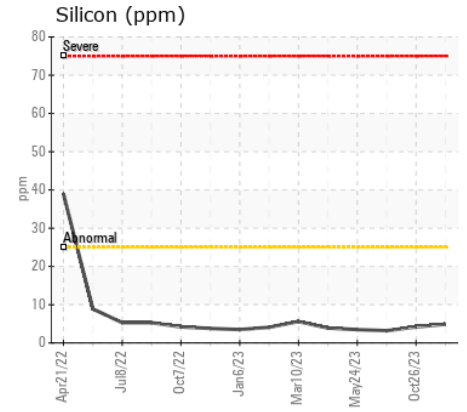
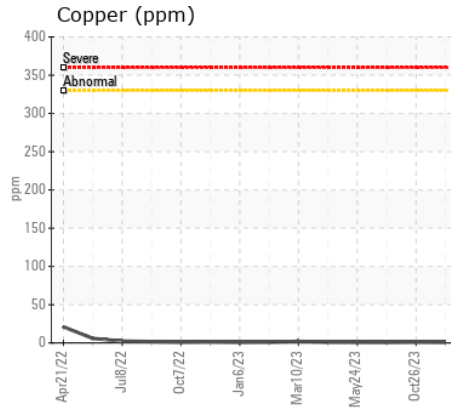
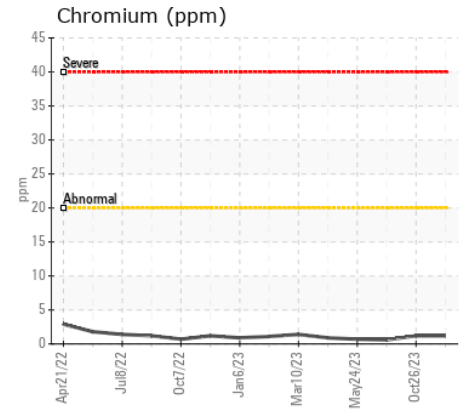
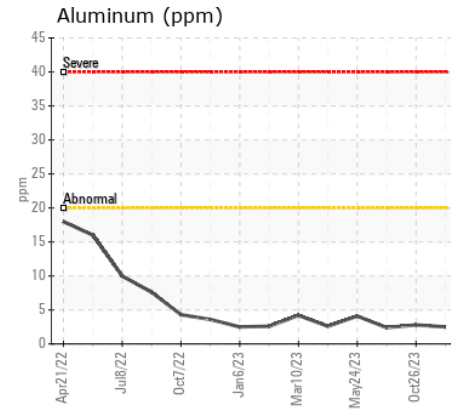
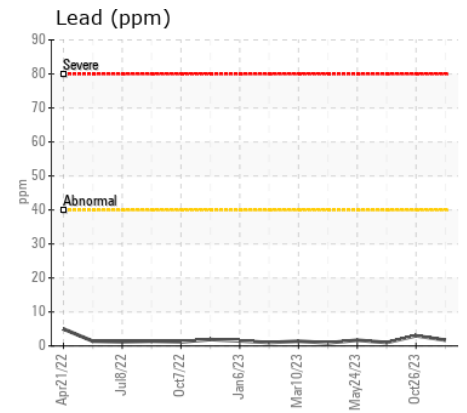
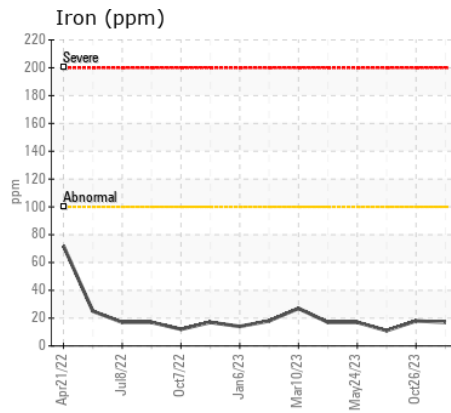
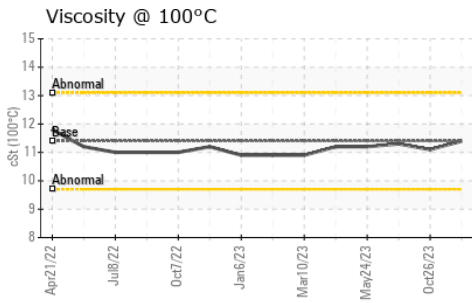
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	5	4	3
Potassium	ppm	ASTM D5185(m)	>20	2	2	3
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	0.3	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.3	9.0	8.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	20.8	20.3
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	4	6	3
Barium	ppm	ASTM D5185(m)	1	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	1	61	67	61
Manganese	ppm	ASTM D5185(m)	1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	10	1002	1060	1008
Calcium	ppm	ASTM D5185(m)	2942	1092	1197	1091
Phosphorus	ppm	ASTM D5185(m)	1102	1026	1082	1057
Zinc	ppm	ASTM D5185(m)	1351	1235	1328	1232
Sulfur	ppm	ASTM D5185(m)	3903	2483	2504	2455
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.5	17.1	16.6
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.4	11.1	11.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0904902 **Received** : 21 Feb 2024
Lab Number : 02616892 **Tested** : 21 Feb 2024
Unique Number : 5734002 **Diagnosed** : 21 Feb 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.