



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
51939

Component
Diesel Engine

Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0892032	WC0879092	WC0863995
Sample Date		Client Info		08 Jan 2024	14 Nov 2023	01 Oct 2023
Machine Age	kms	Client Info		493365	272084	244487
Oil Age	kms	Client Info		0	27597	30171
Filter Age	kms	Client Info		0	27597	30171
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	25	15	19
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	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	2	2
Lead	ppm	ASTM D5185(m)	>40	2	2	2
Copper	ppm	ASTM D5185(m)	>330	2	1	1
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

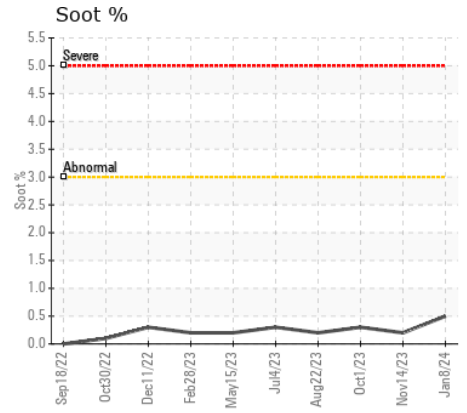
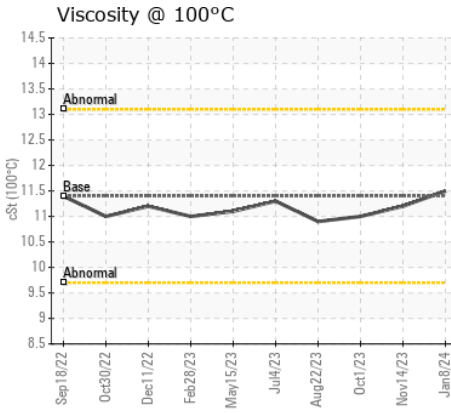
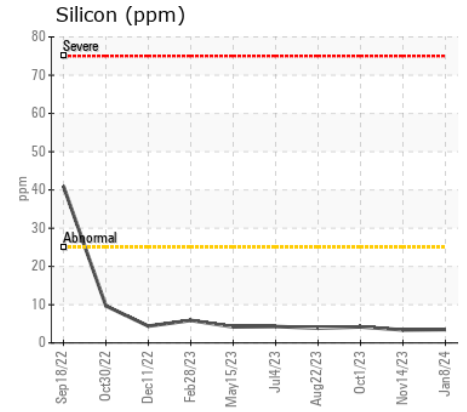
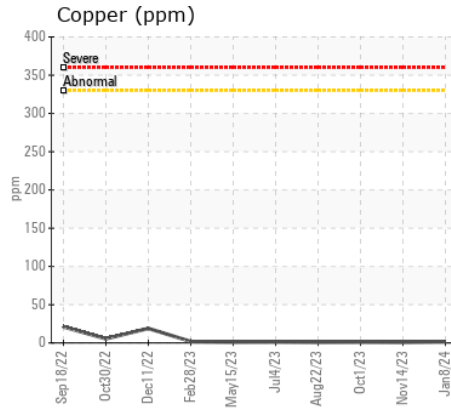
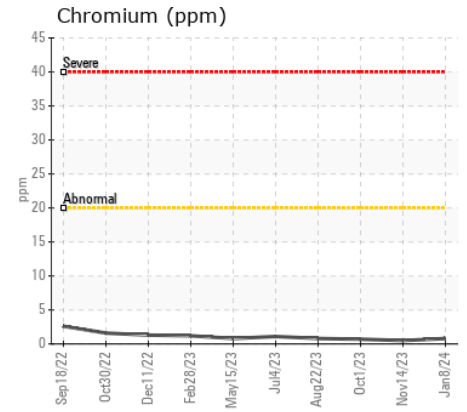
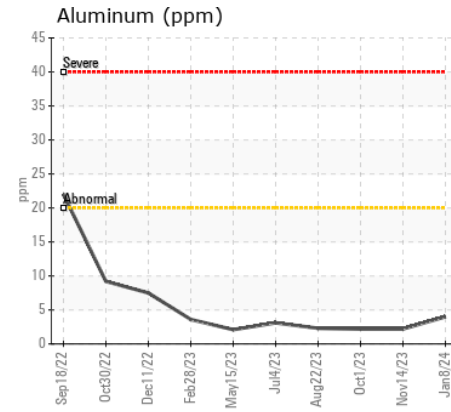
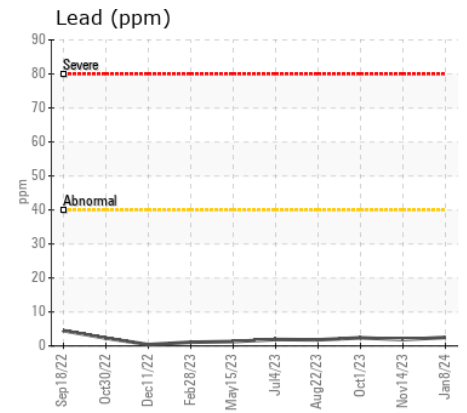
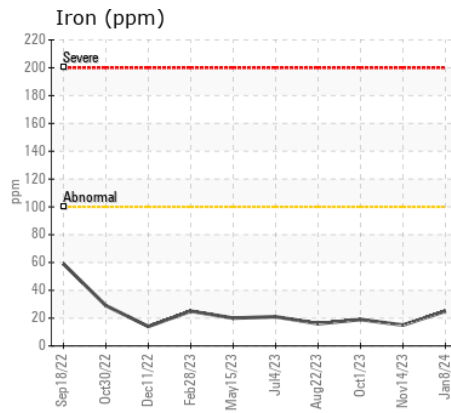
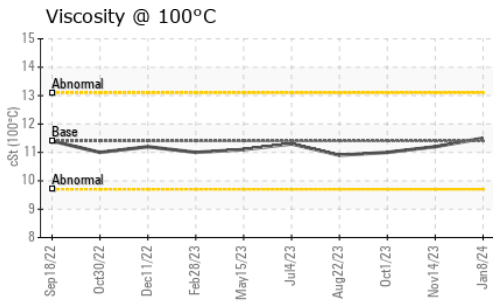
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	3	4
Potassium	ppm	ASTM D5185(m)	>20	5	1	2
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	0.5	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	10.6	8.6	10.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7	20.2	21.6
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)		1	2	2
Boron	ppm	ASTM D5185(m)	1	5	4	5
Barium	ppm	ASTM D5185(m)	1	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	1	61	61	65
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	10	989	982	1007
Calcium	ppm	ASTM D5185(m)	2942	1100	1094	1139
Phosphorus	ppm	ASTM D5185(m)	1102	1019	1018	1014
Zinc	ppm	ASTM D5185(m)	1351	1229	1218	1261
Sulfur	ppm	ASTM D5185(m)	3903	2498	2356	2386
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.2	16.0	18.4
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.5	11.2	11.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0892032
Lab Number : 02609656
Unique Number : 5710742
Test Package : MOB 1

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 75 MUMFORD ROAD
 LIVELY, ON
 CA P3Y 1L1
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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.