



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
52658M
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0935018	WC0854830	WC0813035
Sample Date		Client Info		28 May 2024	14 Sep 2023	27 Apr 2023
Machine Age	mls	Client Info		664881	613053	944017
Oil Age	mls	Client Info		26814	26470	0
Filter Age	mls	Client Info		26814	26470	0
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)	>90	22	22	20
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	1	2
Lead	ppm	ASTM D5185(m)	>40	3	7	3
Copper	ppm	ASTM D5185(m)	>330	2	2	1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

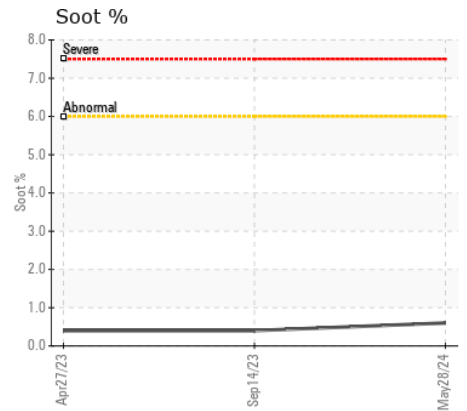
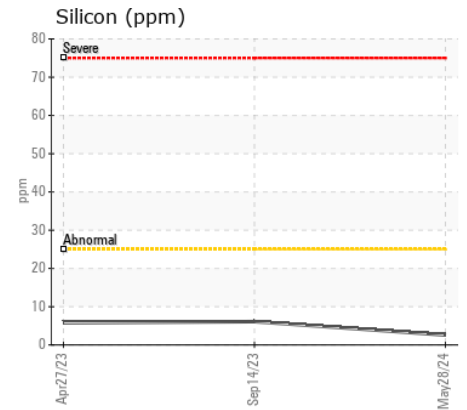
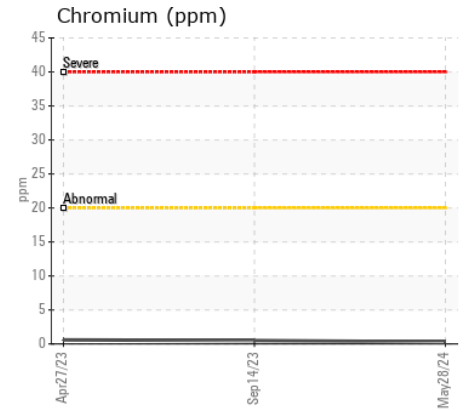
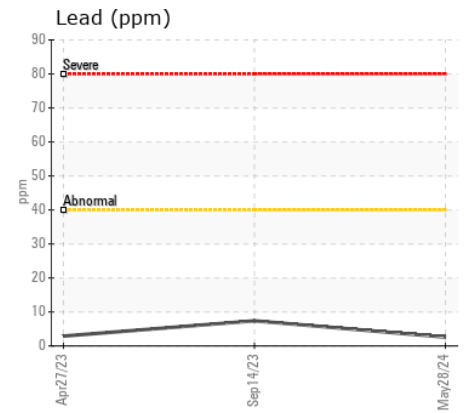
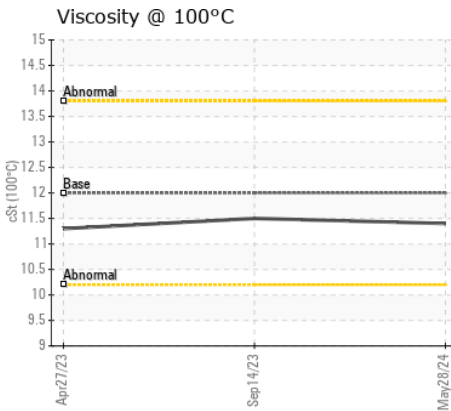
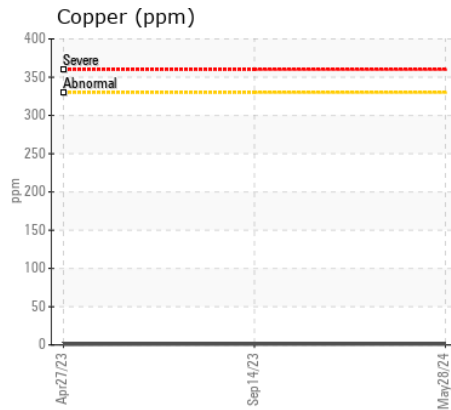
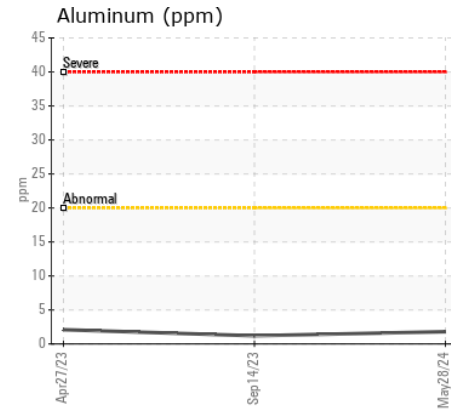
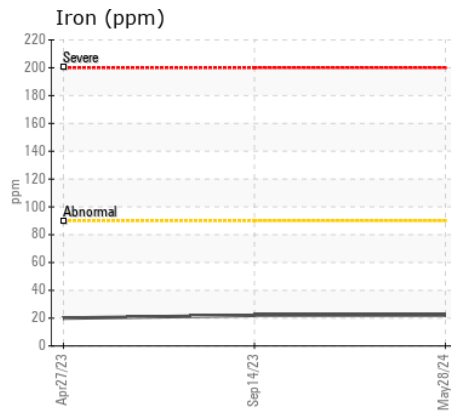
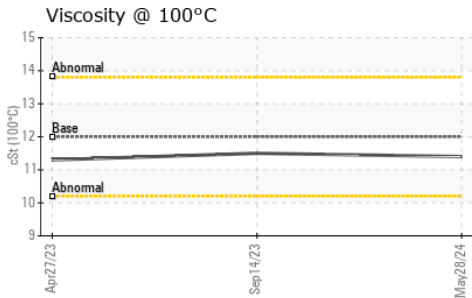
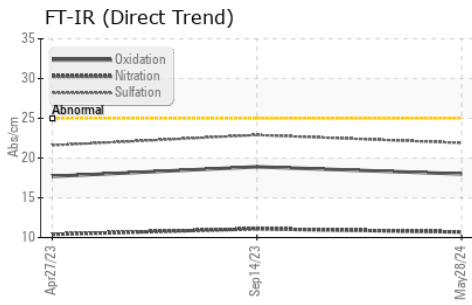
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	6	6
Potassium	ppm	ASTM D5185(m)	>20	1	0	<1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>6	0.6	0.4	0.4
Nitration	Abs/cm	ASTM D7624*	>20	10.7	11.1	10.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.9	22.9	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)		6	3	3
Boron	ppm	ASTM D5185(m)	2	3	2	7
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	64	65	63
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	950	1039	1020	976
Calcium	ppm	ASTM D5185(m)	1050	1143	1148	1165
Phosphorus	ppm	ASTM D5185(m)	995	1065	1071	1119
Zinc	ppm	ASTM D5185(m)	1180	1301	1290	1228
Sulfur	ppm	ASTM D5185(m)	2600	2631	2556	2652
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.0	18.9	17.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.4	11.5	11.3



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0935018
Lab Number : 02640063
Unique Number : 5789225
Test Package : MOB 1

Received : 06 Jun 2024
Tested : 06 Jun 2024
Diagnosed : 06 Jun 2024 - Wes Davis

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 75 MUMFORD ROAD
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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.