



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT NO UNIT PC0081921
 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		PC0081921	---	---
Sample Date		Client Info		04 Mar 2024	---	---
Machine Age	kms	Client Info		13981100	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>110	24	---	---
Chromium	ppm	ASTM D5185(m)	>4	<1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	7	---	---
Lead	ppm	ASTM D5185(m)	>45	<1	---	---
Copper	ppm	ASTM D5185(m)	>85	4	---	---
Tin	ppm	ASTM D5185(m)	>4	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

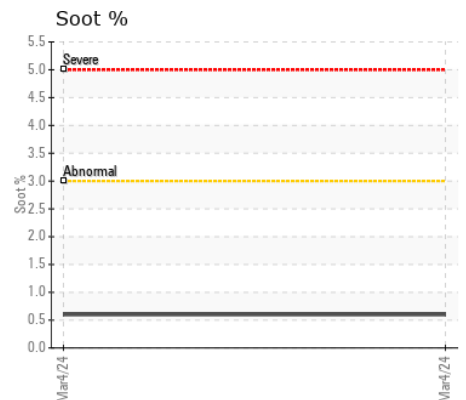
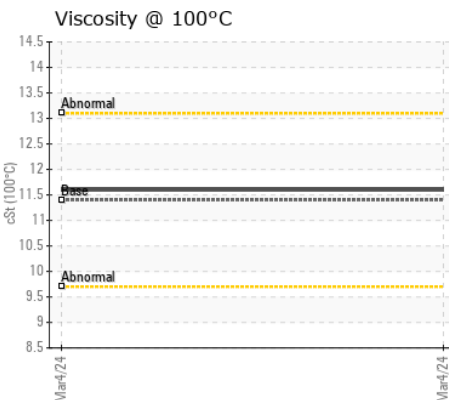
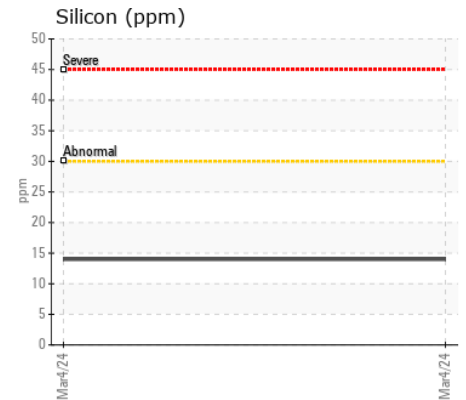
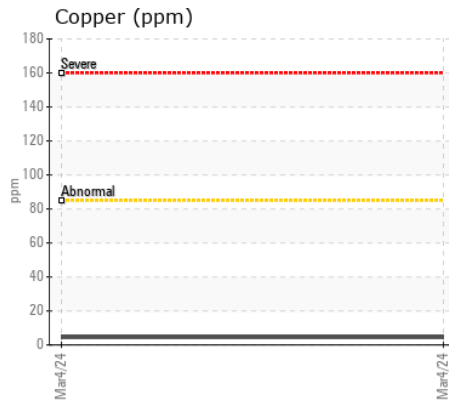
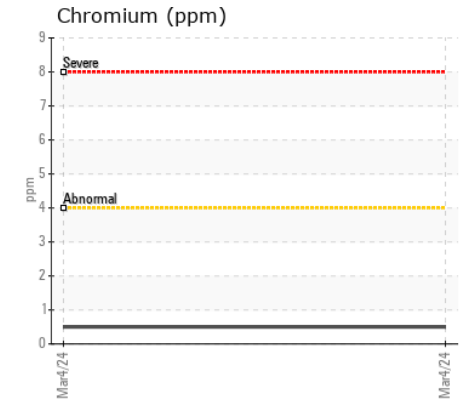
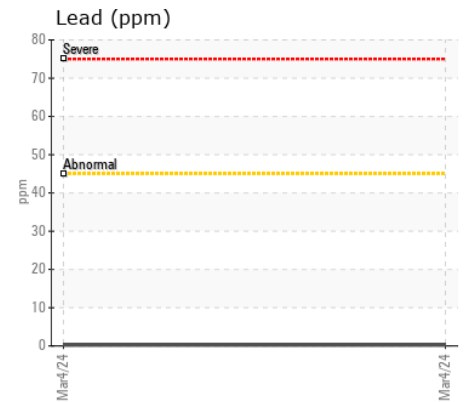
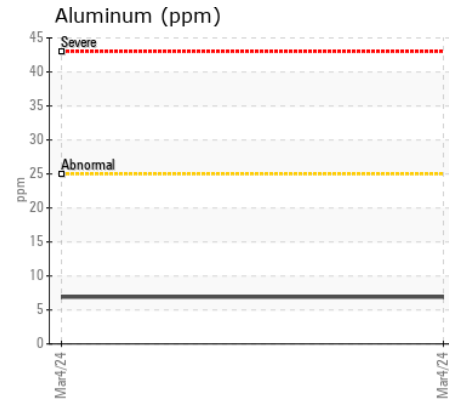
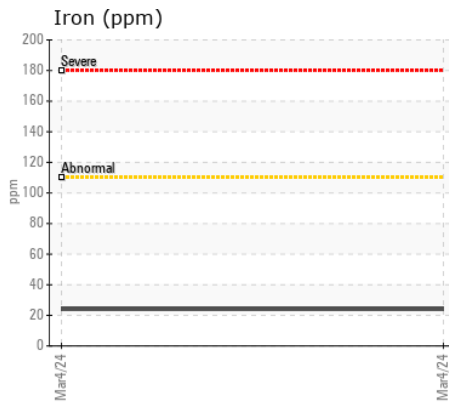
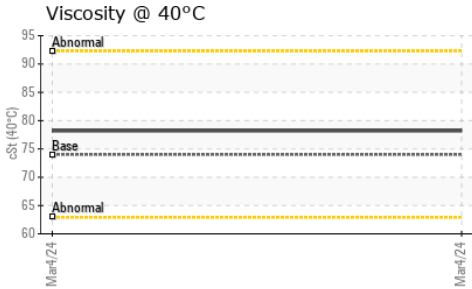
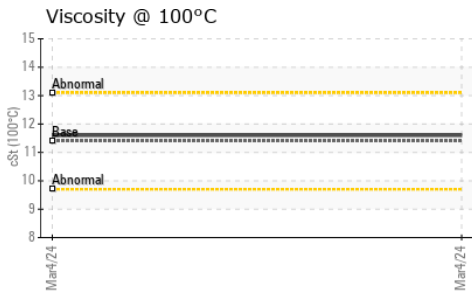
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	14	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.6	---	---
Nitration	Abs/cm	ASTM D7624*	>20	10.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.5	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	1	4	---	---
Barium	ppm	ASTM D5185(m)	1	0	---	---
Molybdenum	ppm	ASTM D5185(m)	1	57	---	---
Manganese	ppm	ASTM D5185(m)	1	0	---	---
Magnesium	ppm	ASTM D5185(m)	10	891	---	---
Calcium	ppm	ASTM D5185(m)	2942	1072	---	---
Phosphorus	ppm	ASTM D5185(m)	1102	953	---	---
Zinc	ppm	ASTM D5185(m)	1351	1117	---	---
Sulfur	ppm	ASTM D5185(m)	3903	2524	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.9	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	78.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.6	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	146	140	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : PC0081921

Lab Number : 02620426

Unique Number : 5737536

Test Package : MOB 1 (Additional Tests: KV40, VI)

Received : 07 Mar 2024

Tested : 07 Mar 2024

Diagnosed : 07 Mar 2024 - Wes Davis

MCKEVITT TRUCKING LTD.

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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.