



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**PETERBILT 379 K28 (S/N 2WS16324)**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON HP 15W40 (--- QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0109708</b>	WC0721432	---
Sample Date		Client Info		<b>23 Apr 2024</b>	06 Oct 2022	---
Machine Age	mls	Client Info		<b>31738</b>	29183	---
Oil Age	mls	Client Info		<b>31738</b>	29183	---
Filter Age	mls	Client Info		<b>31738</b>	29183	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>110	<b>69</b>	17	---
Chromium	ppm	ASTM D5185m	>4	<b>2</b>	1	---
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>2	<b>1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	<1	---
Lead	ppm	ASTM D5185m	>45	<b>4</b>	2	---
Copper	ppm	ASTM D5185m	>85	<b>8</b>	3	---
Tin	ppm	ASTM D5185m	>4	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

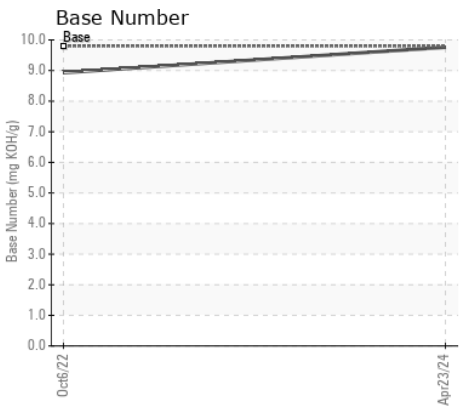
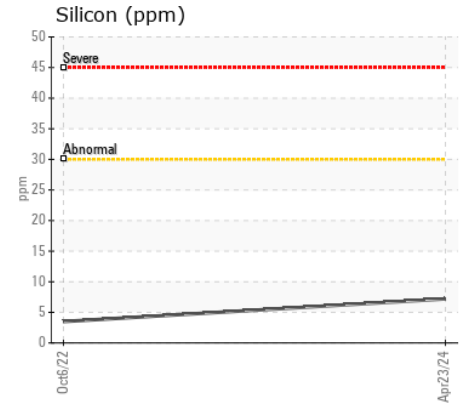
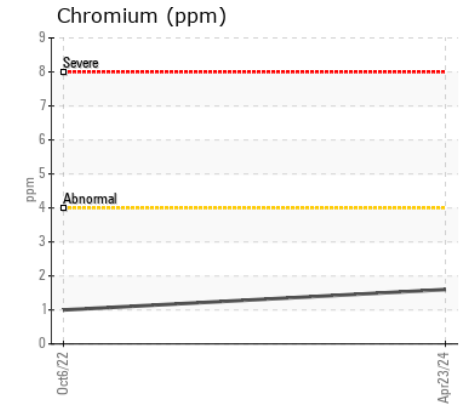
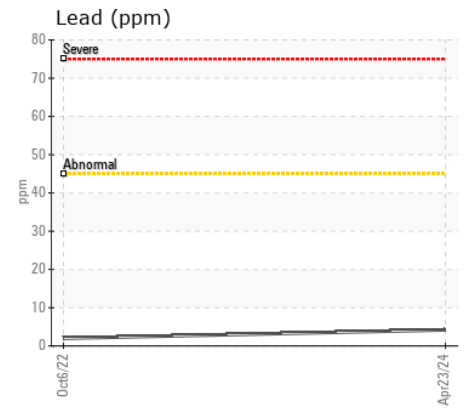
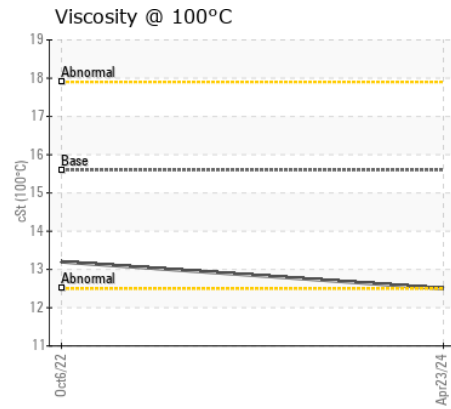
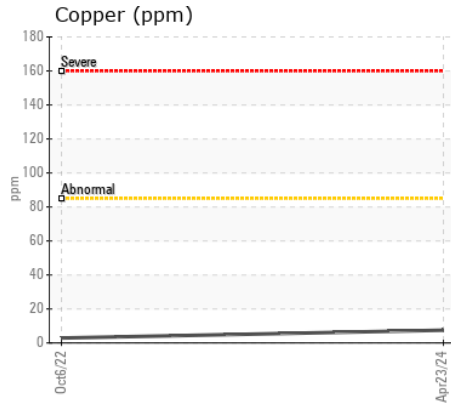
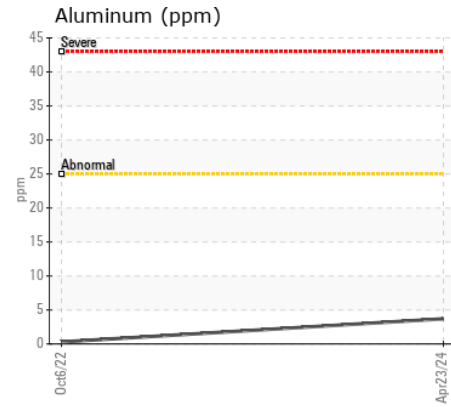
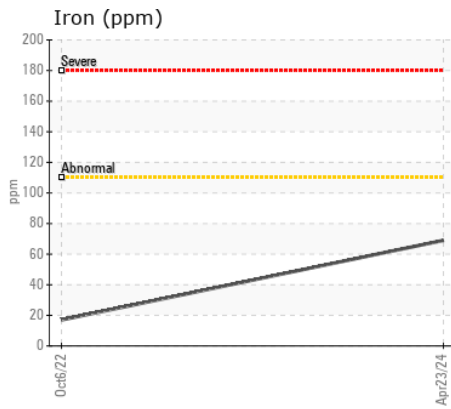
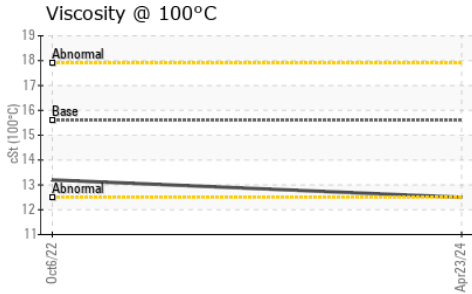
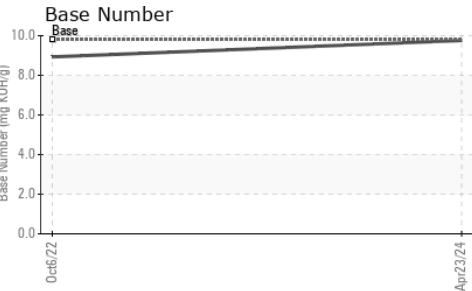
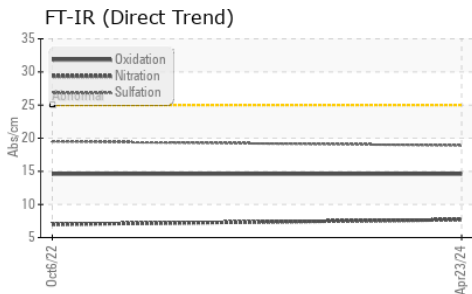
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>7</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.4</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.7</b>	7.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.9</b>	19.5	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	---
Boron	ppm	ASTM D5185m		<b>7</b>	2	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>62</b>	52	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>938</b>	874	---
Calcium	ppm	ASTM D5185m		<b>1092</b>	1004	---
Phosphorus	ppm	ASTM D5185m		<b>1018</b>	891	---
Zinc	ppm	ASTM D5185m		<b>1222</b>	1131	---
Sulfur	ppm	ASTM D5185m		<b>3360</b>	2920	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.6</b>	14.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<b>9.76</b>	8.93	---
Visc @ 100°C	cSt	ASTM D445	15.6	<b>12.5</b>	13.2	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0109708  
**Lab Number** : 06186885  
**Unique Number** : 11043637  
**Test Package** : MOB 2

**Received** : 21 May 2024  
**Tested** : 23 May 2024  
**Diagnosed** : 23 May 2024 - Wes Davis

**KOBYLUCK TRUCKING**  
 24 INDUSTRIAL DR  
 WATERFORD, CT  
 US 06385

Contact: GEORGE  
 GEORGE@KOBYLUCKINC.COM

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (860)367-2002

F: