

Machine Id  
**PETERBILT 07**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON HP 15W40 (10 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0111252</b>	PCA0119755	PCA0111250
Sample Date		Client Info		<b>10 Jul 2024</b>	10 May 2024	09 Mar 2024
Machine Age	mls	Client Info		<b>1500285</b>	1481552	1461965
Oil Age	mls	Client Info		<b>20000</b>	20000	20000
Filter Age	mls	Client Info		<b>10000</b>	10000	10000
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>41</b>	30	31
Chromium	ppm	ASTM D5185m	>6	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>3</b>	3	1
Lead	ppm	ASTM D5185m	>10	<b>4</b>	4	3
Copper	ppm	ASTM D5185m	>150	<b>3</b>	2	2
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

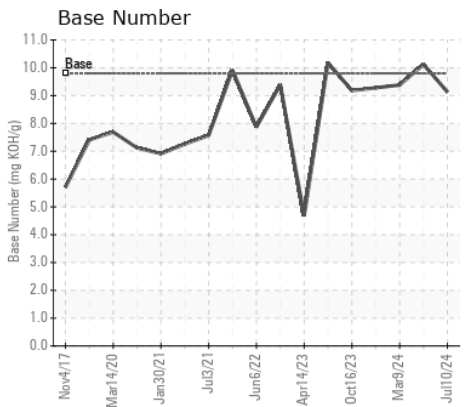
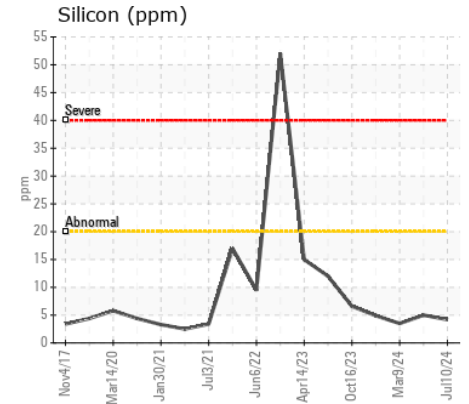
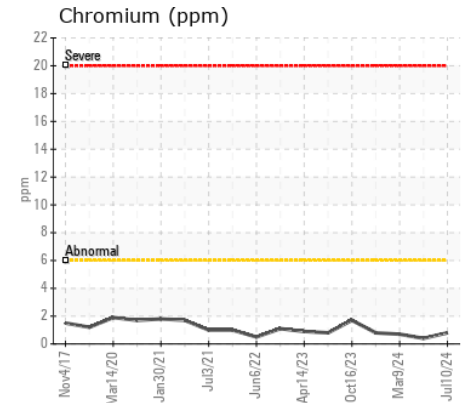
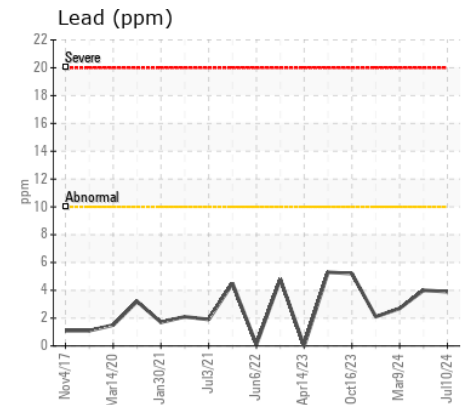
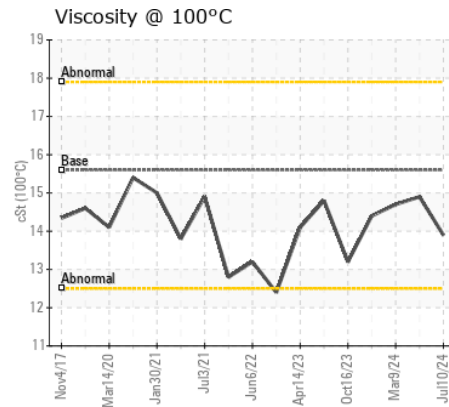
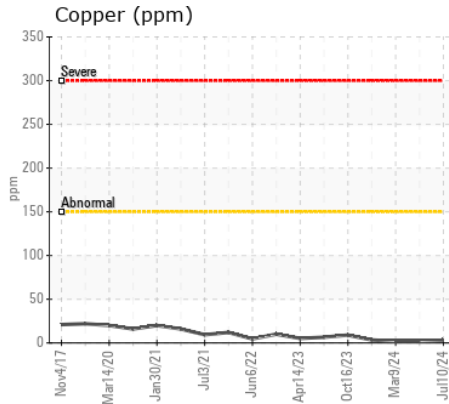
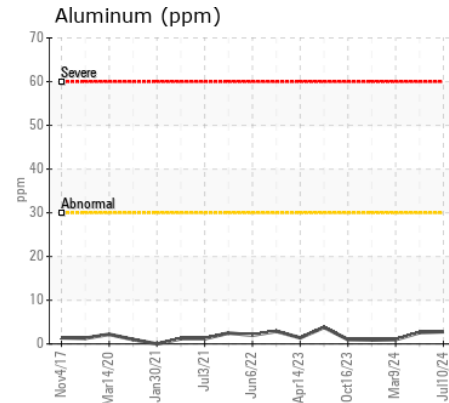
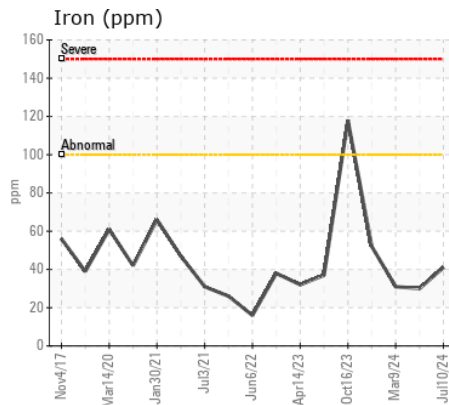
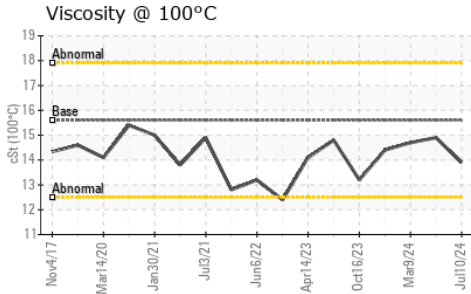
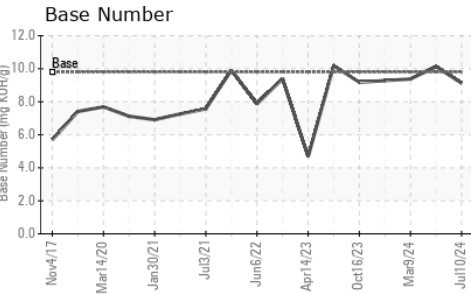
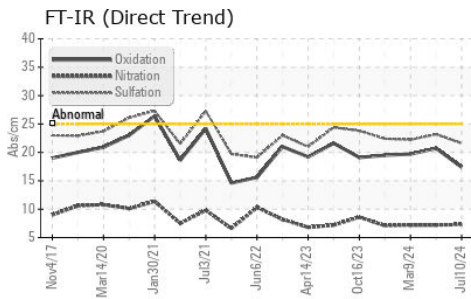
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	5	4
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	0
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.9</b>	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.3</b>	7.2	7.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.6</b>	23.2	22.2
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	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>&lt;1</b>	2	<1
Boron	ppm	ASTM D5185m		<b>2</b>	3	1
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>64</b>	96	100
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>927</b>	865	935
Calcium	ppm	ASTM D5185m		<b>1085</b>	930	1077
Phosphorus	ppm	ASTM D5185m		<b>971</b>	929	1006
Zinc	ppm	ASTM D5185m		<b>1223</b>	1121	1218
Sulfur	ppm	ASTM D5185m		<b>2846</b>	3366	3597
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.4</b>	20.7	19.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<b>9.13</b>	10.12	9.38
Visc @ 100°C	cSt	ASTM D445	15.6	<b>13.9</b>	14.9	14.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PCA0111252

**Lab Number** : 06237059

**Unique Number** : 11125893

**Test Package** : MOB 2

**Received** : 15 Jul 2024

**Tested** : 17 Jul 2024

**Diagnosed** : 17 Jul 2024 - Wes Davis

**J&J TRUCKING**

N4661 OAK GROVE RD

BRANDON, WI

US 53919

Contact: JOHN HUTTER

johnh@jjtruckingbrandon.com

T: (920)346-2880

F: (920)346-8589

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)