



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT V102
 Component
Diesel Engine
 Fluid
PETRO CANADA 15W40 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0120955	PCA0112144	---
Sample Date		Client Info		11 Jul 2024	10 Jan 2024	---
Machine Age	mls	Client Info		190728	184790	---
Oil Age	mls	Client Info		5928	7219	---
Filter Age	mls	Client Info		5928	7219	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	21	24	---
Chromium	ppm	ASTM D5185m	>20	0	<1	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		2	3	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	6	6	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>330	<1	1	---
Tin	ppm	ASTM D5185m	>15	0	1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

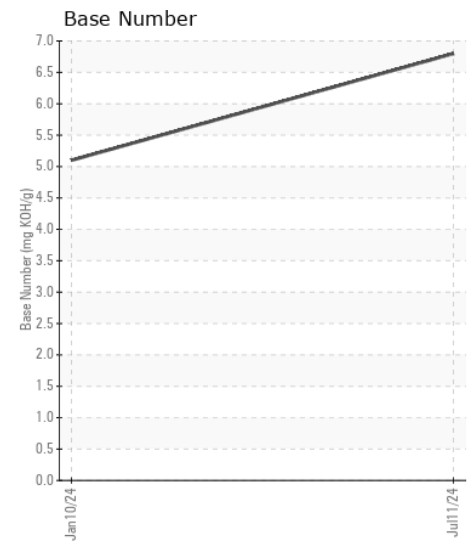
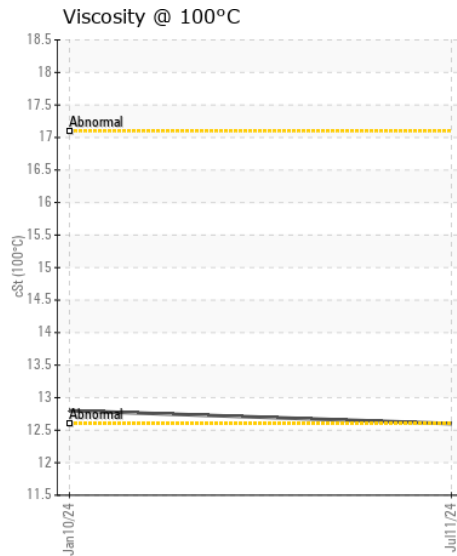
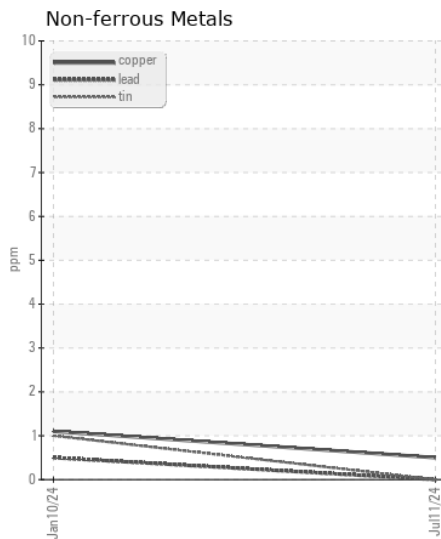
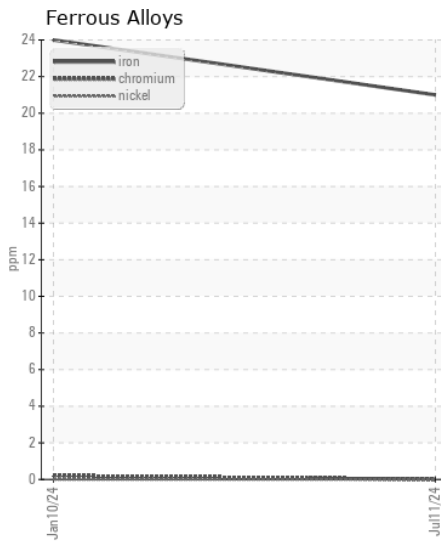
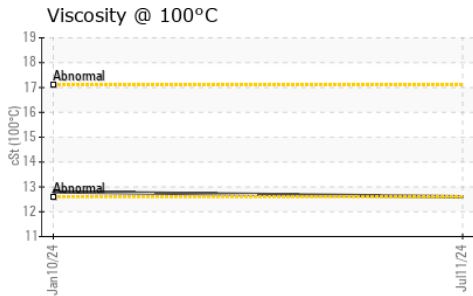
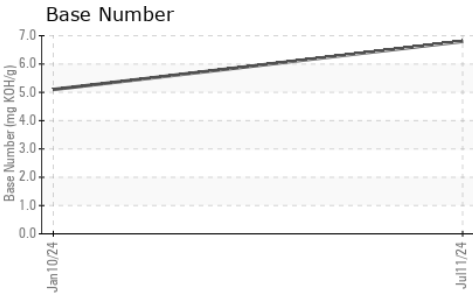
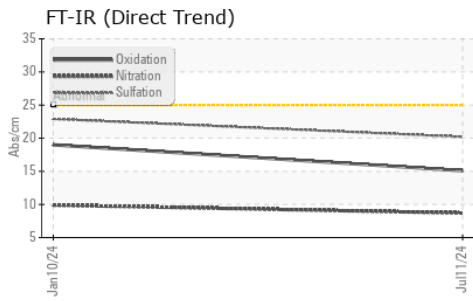
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	5	---
Potassium	ppm	ASTM D5185m	>20	9	11	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.7	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	8.7	9.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	22.9	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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		10	15	---
Boron	ppm	ASTM D5185m		11	5	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		59	59	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		980	929	---
Calcium	ppm	ASTM D5185m		1157	1275	---
Phosphorus	ppm	ASTM D5185m		1020	1065	---
Zinc	ppm	ASTM D5185m		1222	1258	---
Sulfur	ppm	ASTM D5185m		3528	2957	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	19.0	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.8	5.1	---
Visc @ 100°C	cSt	ASTM D445		12.6	12.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0120955 **Received** : 19 Jul 2024
Lab Number : 06241480 **Tested** : 20 Jul 2024
Unique Number : 11130314 **Diagnosed** : 20 Jul 2024 - Wes Davis
Test Package : FLEET

TROIL ENTERPRISES
 2485 E STATE RD
 TRENTON, NJ
 US 08619
 Contact: JOHN RUBLE

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)