



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**FLEET**  
Machine Id  
**26613**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON SHP 10W30 (--- QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0118704</b>	PCA0108212	PCA0102859
Sample Date		Client Info		<b>14 Feb 2024</b>	16 Nov 2023	14 Sep 2023
Machine Age	mls	Client Info		<b>650485</b>	631250	611860
Oil Age	mls	Client Info		<b>37814</b>	19390	45878
Filter Age	mls	Client Info		<b>19227</b>	19390	19368
Oil Changed		Client Info		<b>Changed</b>	Not Changd	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>18</b>	9	19
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	2	<1
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185m	>330	<b>3</b>	2	3
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

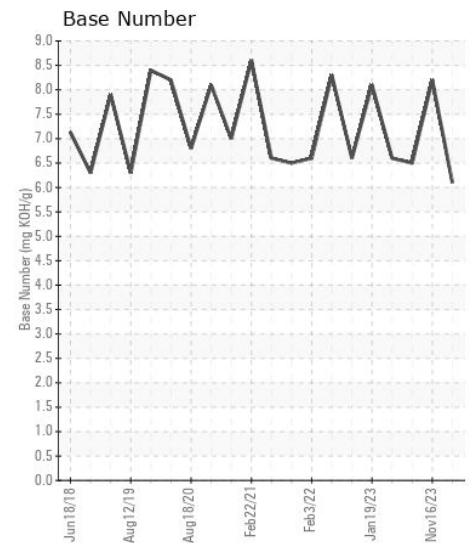
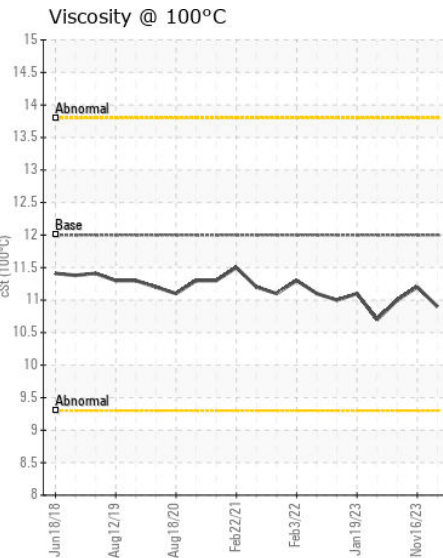
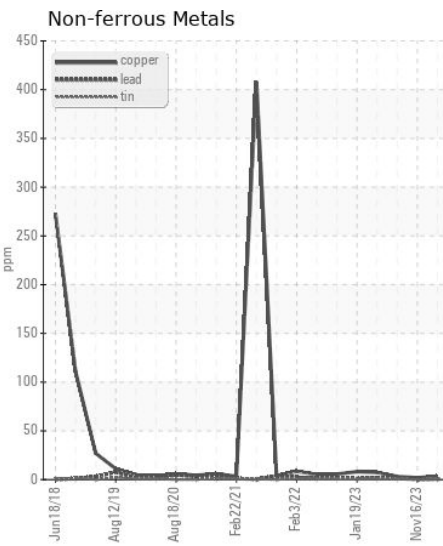
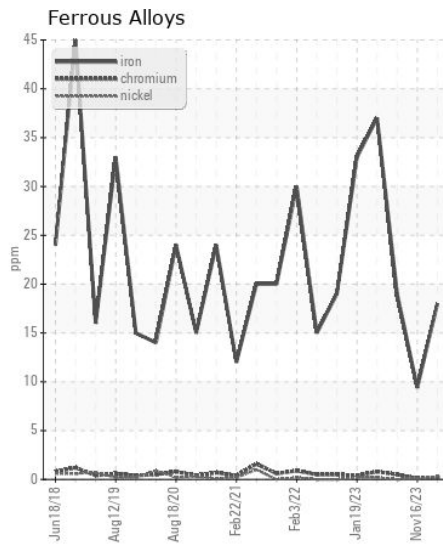
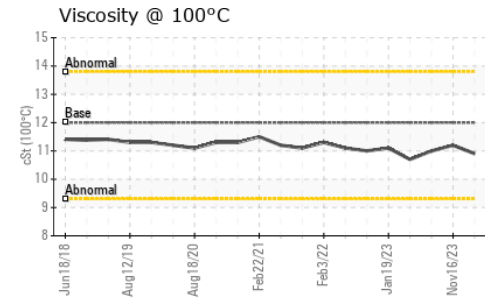
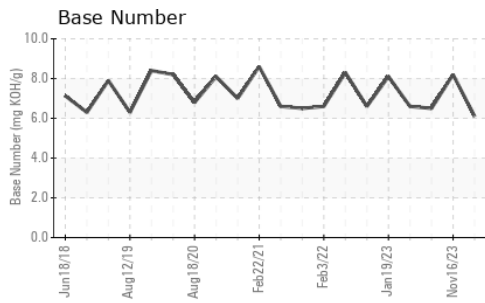
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	4
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>0.5</b>	0.3	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.2</b>	7.2	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.1</b>	19.3	20.9
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>12</b>	3	12
Boron	ppm	ASTM D5185m	2	<b>2</b>	0	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>56</b>	60	58
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	950	<b>861</b>	926	970
Calcium	ppm	ASTM D5185m	1050	<b>965</b>	1056	1102
Phosphorus	ppm	ASTM D5185m	995	<b>930</b>	967	966
Zinc	ppm	ASTM D5185m	1180	<b>1142</b>	1197	1240
Sulfur	ppm	ASTM D5185m	2600	<b>2492</b>	3141	3251
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.8</b>	15.1	16.9
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.1</b>	8.2	6.5
Visc @ 100°C	cSt	ASTM D445	12.00	<b>10.9</b>	11.2	11.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0118704  
**Lab Number** : 06098121  
**Unique Number** : 10896351  
**Test Package** : FLEET  
**Received** : 23 Feb 2024  
**Tested** : 25 Feb 2024  
**Diagnosed** : 25 Feb 2024 - Wes Davis

**PERDUE FARMS - ACCOMAC**  
 22520 LANKFORD HWY  
 ACCOMAC, VA  
 US 23301  
 Contact: PEGGY KIMES  
 peggy.kimes@perdue.com  
 T: (757)787-5304  
 F: (757)787-5208

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)