



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

Machine Id  
**1926698**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON SHP 10W30 (40 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0118708</b>	PCA0108209	PCA0093689
Sample Date		Client Info		<b>14 Feb 2024</b>	09 Nov 2023	04 May 2023
Machine Age	mls	Client Info		<b>491251</b>	469327	428436
Oil Age	mls	Client Info		<b>21924</b>	40607	25683
Filter Age	mls	Client Info		<b>21924</b>	18538	25683
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
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>19</b>	48	23
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	4
Lead	ppm	ASTM D5185m	>40	<b>0</b>	1	2
Copper	ppm	ASTM D5185m	>330	<b>5</b>	8	6
Tin	ppm	ASTM D5185m	>15	<b>1</b>	1	2
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**

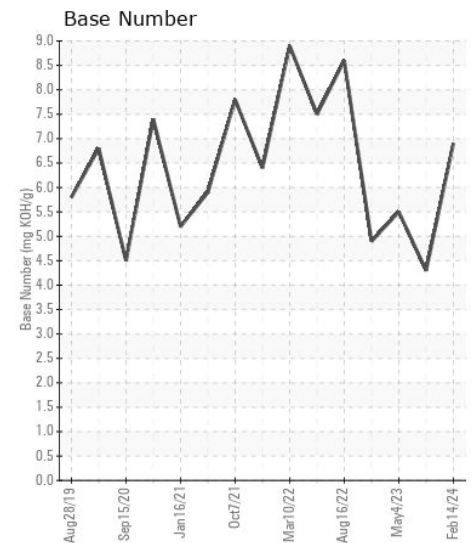
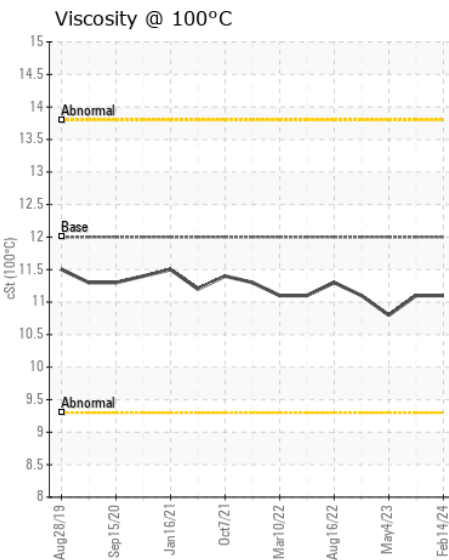
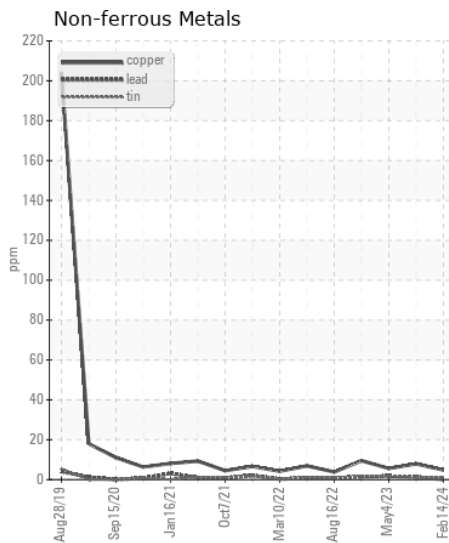
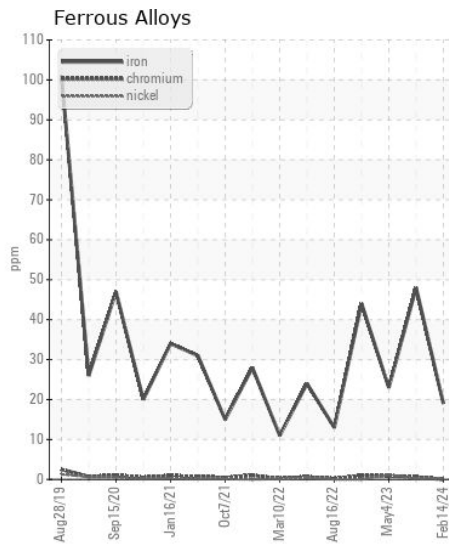
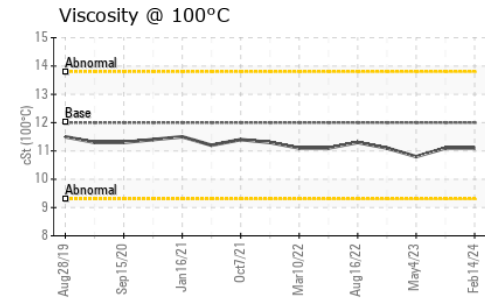
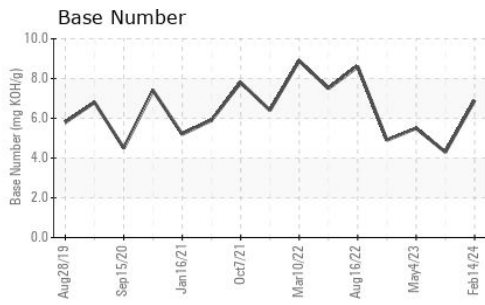
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	6	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	3
Fuel		WC Method	>6.0	<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>0.4</b>	0.8	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.1</b>	10.9	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.8</b>	24.4	22.1
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>10</b>	11	12
Boron	ppm	ASTM D5185m	2	<b>3</b>	0	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	6	0
Molybdenum	ppm	ASTM D5185m	50	<b>56</b>	61	59
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>875</b>	880	967
Calcium	ppm	ASTM D5185m	1050	<b>934</b>	1073	1089
Phosphorus	ppm	ASTM D5185m	995	<b>969</b>	951	1004
Zinc	ppm	ASTM D5185m	1180	<b>1140</b>	1163	1289
Sulfur	ppm	ASTM D5185m	2600	<b>2669</b>	3013	3472
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.5</b>	21.0	18.9
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.9</b>	4.3	5.5
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.1</b>	11.1	10.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0118708  
**Lab Number** : 06098128  
**Unique Number** : 10896358  
**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)