



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

Machine Id  
**1926716**  
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>PCA0118710</b>	PCA0105978	PCA0099303
Sample Date		Client Info		<b>14 Feb 2024</b>	09 Nov 2023	10 Aug 2023
Machine Age	mls	Client Info		<b>415347</b>	390057	372625
Oil Age	mls	Client Info		<b>42722</b>	17432	30422
Filter Age	mls	Client Info		<b>20290</b>	17432	20384
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>35</b>	18	36
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<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>7</b>	2	4
Lead	ppm	ASTM D5185m	>40	<b>1</b>	1	2
Copper	ppm	ASTM D5185m	>330	<b>9</b>	6	6
Tin	ppm	ASTM D5185m	>15	<b>2</b>	<1	2
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**

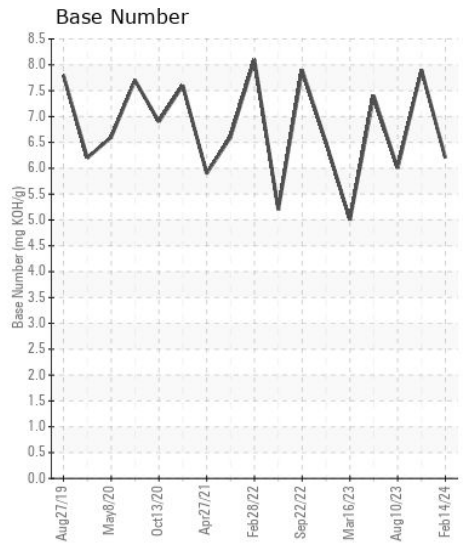
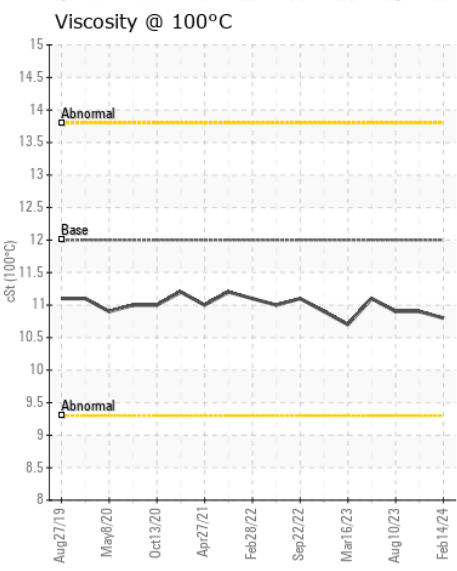
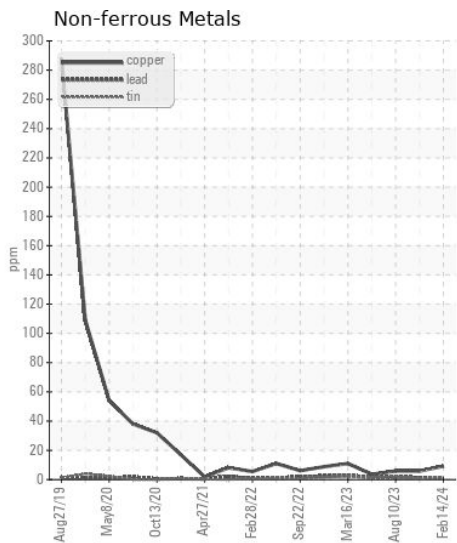
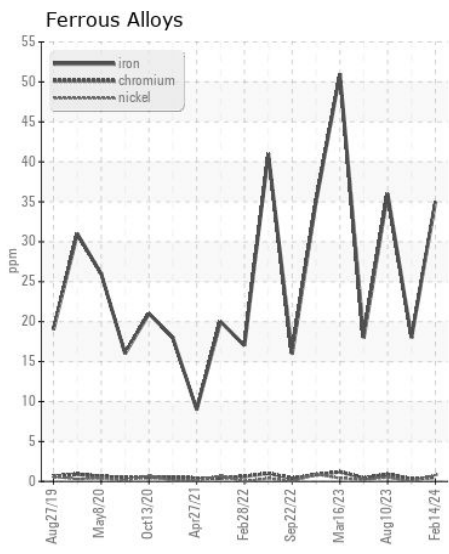
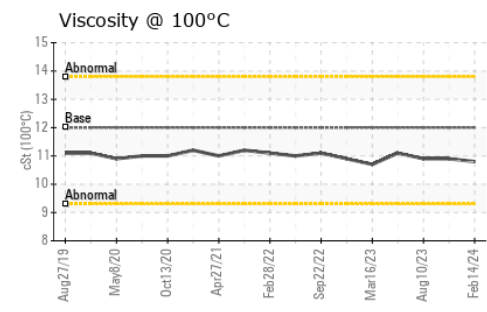
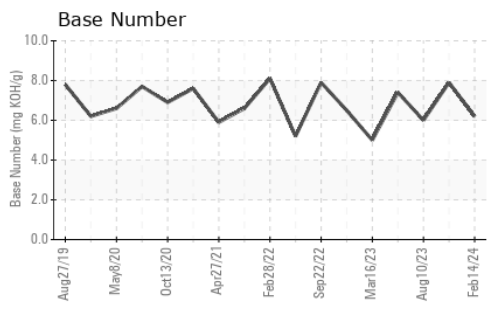
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	3	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>0.7</b>	0.4	0.7
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.1</b>	7.8	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.6</b>	19.7	22.0
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>	0	13
Boron	ppm	ASTM D5185m	2	<b>2</b>	0	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	6	0
Molybdenum	ppm	ASTM D5185m	50	<b>56</b>	60	59
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>854</b>	885	956
Calcium	ppm	ASTM D5185m	1050	<b>953</b>	1046	1083
Phosphorus	ppm	ASTM D5185m	995	<b>899</b>	982	970
Zinc	ppm	ASTM D5185m	1180	<b>1131</b>	1151	1272
Sulfur	ppm	ASTM D5185m	2600	<b>2538</b>	3430	3467
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.9</b>	15.6	18.1
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.2</b>	7.9	6.0
Visc @ 100°C	cSt	ASTM D445	12.00	<b>10.8</b>	10.9	10.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0118710 **Received** : 23 Feb 2024  
**Lab Number** : 06098129 **Tested** : 25 Feb 2024  
**Unique Number** : 10896359 **Diagnosed** : 25 Feb 2024 - Wes Davis  
**Test Package** : FLEET

**PERDUE FARMS - ACCOMAC**  
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 ACCOMAC, VA  
 US 23301  
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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)