



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

Machine Id  
**2327132**

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>PCA0106372</b>	---	---
Sample Date		Client Info		<b>24 Dec 2023</b>	---	---
Machine Age	mls	Client Info		<b>35211</b>	---	---
Oil Age	mls	Client Info		<b>35000</b>	---	---
Filter Age	mls	Client Info		<b>15000</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>19</b>	---	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>3</b>	---	---
Silver	ppm	ASTM D5185m	>3	<b>1</b>	---	---
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	---	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>330	<b>409</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

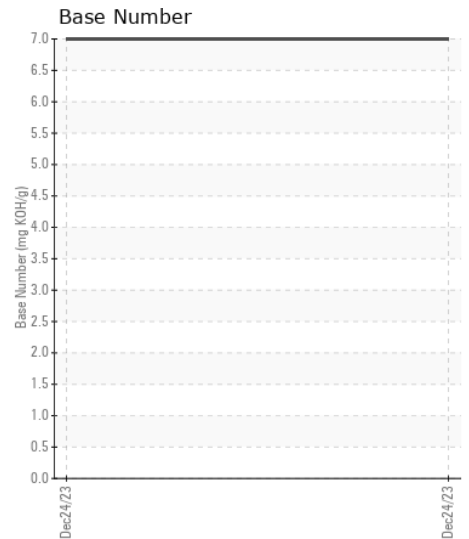
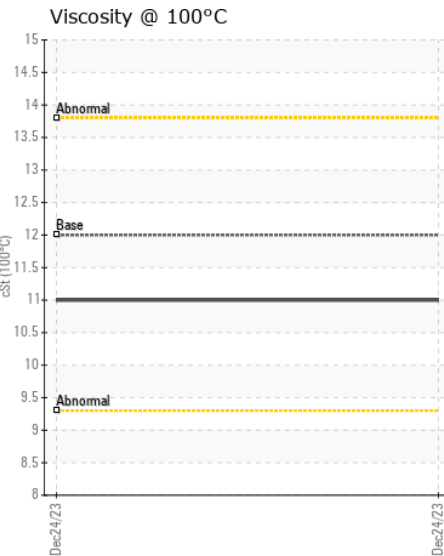
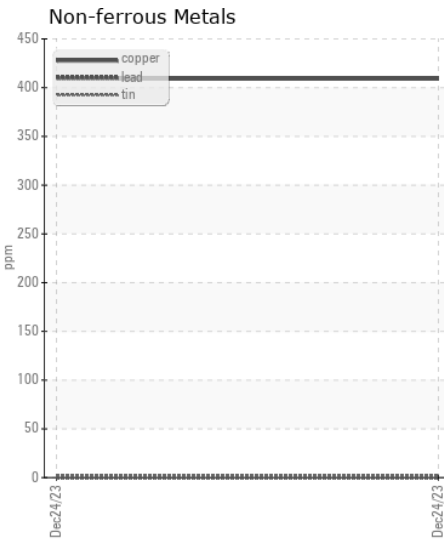
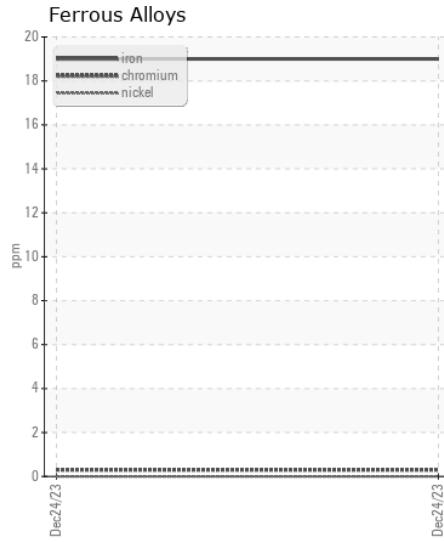
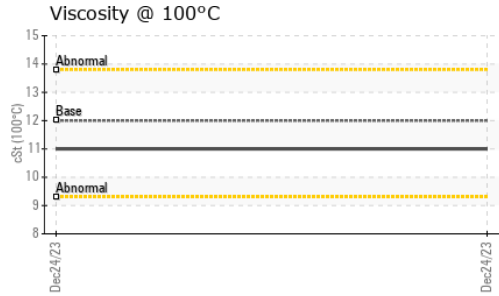
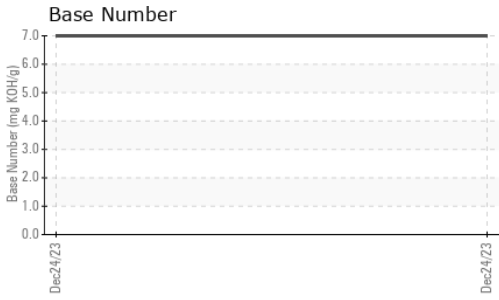
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>10</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>16</b>	---	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	*ASTM D7844	>3	<b>0.4</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.1</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.5</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---

**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>1</b>	---	---
Boron	ppm	ASTM D5185m	2	<b>14</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	50	<b>63</b>	---	---
Manganese	ppm	ASTM D5185m	0	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185m	950	<b>886</b>	---	---
Calcium	ppm	ASTM D5185m	1050	<b>1147</b>	---	---
Phosphorus	ppm	ASTM D5185m	995	<b>1016</b>	---	---
Zinc	ppm	ASTM D5185m	1180	<b>1215</b>	---	---
Sulfur	ppm	ASTM D5185m	2600	<b>2616</b>	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.5</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.0</b>	---	---
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.0</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0106372 **Recieved** : 10 Jan 2024  
**Lab Number** : 06056398 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10822347 **Diagnostician** : Angela Borella  
**Test Package** : FLEET

**PERDUE FARMS - SALISBURY**  
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 US 21802  
 Contact: RICHARD O'NEAL  
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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)