



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

Machine Id  
**2120560**  
Component  
**Main Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (9 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>PCA0116245</b>	PCA0112308	PCA0099740
Sample Date		Client Info		<b>26 Feb 2024</b>	25 Jan 2024	19 Jun 2023
Machine Age	hrs	Client Info		<b>0</b>	6550	0
Oil Age	hrs	Client Info		<b>0</b>	300	0
Filter Age	hrs	Client Info		<b>0</b>	300	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>10</b>	11	3
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>330	<b>2</b>	3	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

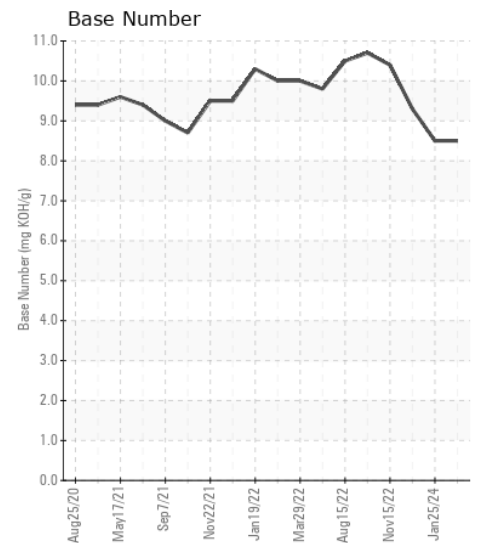
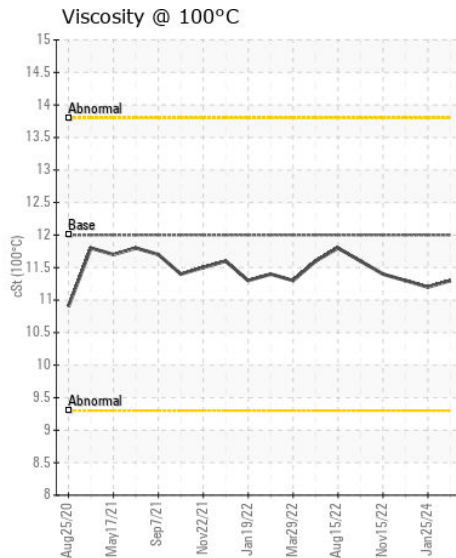
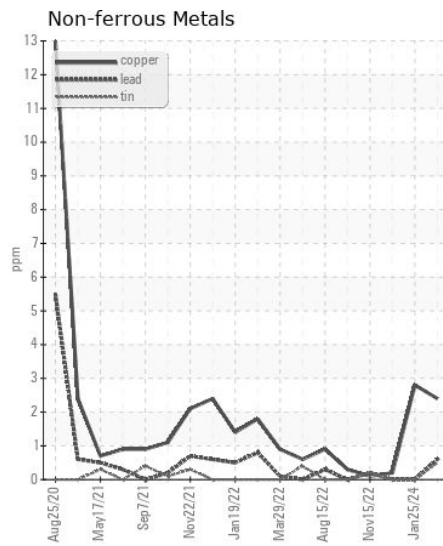
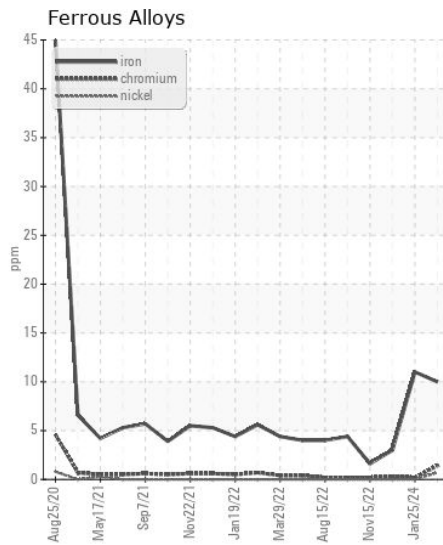
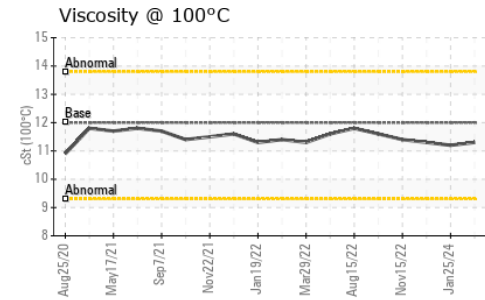
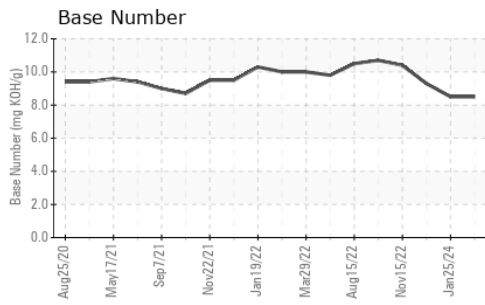
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	4	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	<1
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>0.2</b>	0.3	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.6</b>	6.8	5.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.3</b>	17.5	17.3
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>&lt;1</b>	0	0
Boron	ppm	ASTM D5185m	2	<b>8</b>	6	2
Barium	ppm	ASTM D5185m	0	<b>1</b>	8	2
Molybdenum	ppm	ASTM D5185m	50	<b>58</b>	62	61
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	950	<b>807</b>	864	895
Calcium	ppm	ASTM D5185m	1050	<b>1010</b>	1012	1065
Phosphorus	ppm	ASTM D5185m	995	<b>985</b>	868	1053
Zinc	ppm	ASTM D5185m	1180	<b>1145</b>	1148	1211
Sulfur	ppm	ASTM D5185m	2600	<b>3252</b>	2916	3212
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.2</b>	13.5	12.9
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.5</b>	8.5	9.3
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.3</b>	11.2	11.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116245 **Received** : 27 Feb 2024  
**Lab Number** : 06101383 **Tested** : 28 Feb 2024  
**Unique Number** : 10899613 **Diagnosed** : 28 Feb 2024 - Wes Davis  
**Test Package** : FLEET

**PERDUE FARMS - DILLON**  
 2047 HWY 9 WEST  
 DILLON, SC  
 US 29536  
 Contact: KEVIN HOOKS  
 kevin.hooks@perdue.com  
 T: (843)841-8069  
 F: (843)841-8070

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)