



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>PCA0112308</b>	PCA0099740	PCA0080604
Sample Date		Client Info		<b>25 Jan 2024</b>	19 Jun 2023	15 Nov 2022
Machine Age	hrs	Client Info		<b>6550</b>	0	4932
Oil Age	hrs	Client Info		<b>300</b>	0	250
Filter Age	hrs	Client Info		<b>300</b>	0	250
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>11</b>	3	2
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	0	<1
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>3</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>0</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**

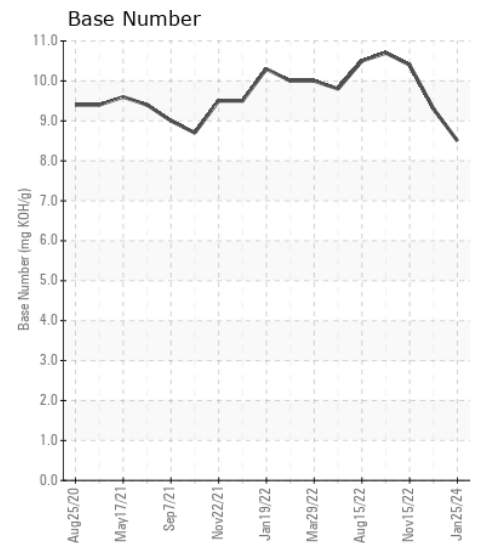
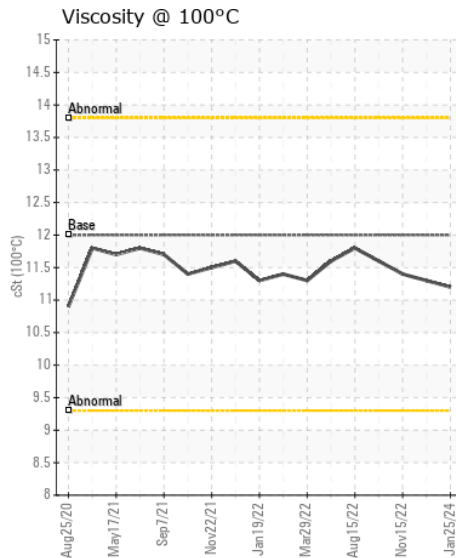
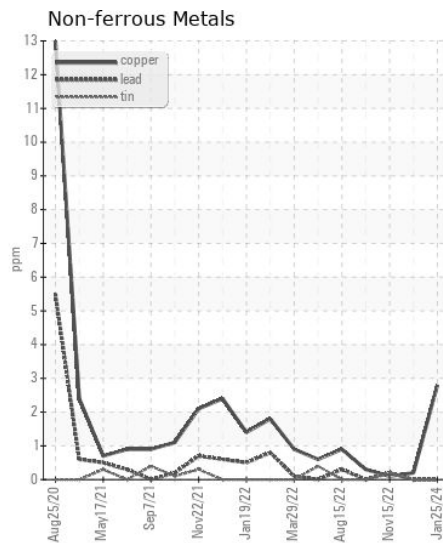
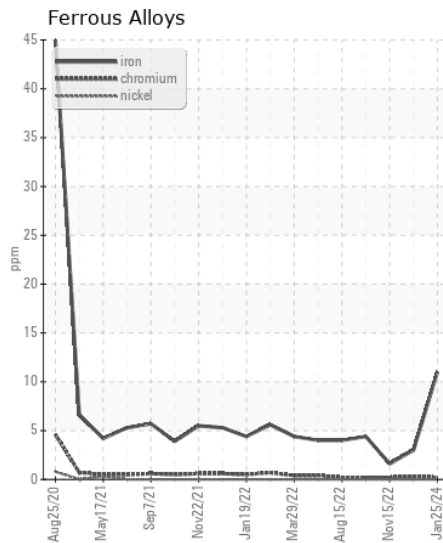
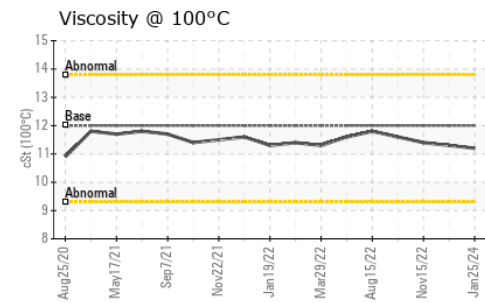
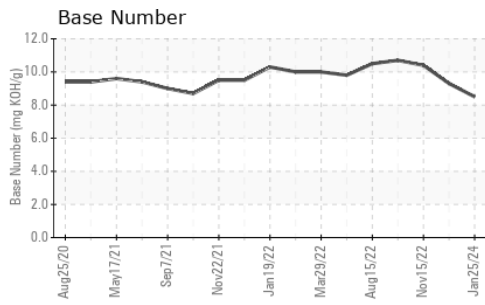
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	0
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>0.3</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.8</b>	5.8	5.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.5</b>	17.3	18.3
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>0</b>	0	<1
Boron	ppm	ASTM D5185m	2	<b>6</b>	2	12
Barium	ppm	ASTM D5185m	0	<b>8</b>	2	0
Molybdenum	ppm	ASTM D5185m	50	<b>62</b>	61	62
Manganese	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m	950	<b>864</b>	895	929
Calcium	ppm	ASTM D5185m	1050	<b>1012</b>	1065	1091
Phosphorus	ppm	ASTM D5185m	995	<b>868</b>	1053	1022
Zinc	ppm	ASTM D5185m	1180	<b>1148</b>	1211	1230
Sulfur	ppm	ASTM D5185m	2600	<b>2916</b>	3212	3843
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.5</b>	12.9	13.7
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.5</b>	9.3	10.4
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.2</b>	11.3	11.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : PCA0112308  
 Lab Number : 06088531  
 Unique Number : 10875976  
 Test Package : FLEET

Received : 14 Feb 2024  
 Tested : 15 Feb 2024  
 Diagnosed : 15 Feb 2024 - Wes Davis

**PERDUE FARMS - DILLON**  
 2047 HWY 9 WEST  
 DILLON, SC  
 US 29536

Contact: KEVIN HOOKS  
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 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)