



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

Machine Id  
**2126977**  
 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>PCA0125016</b>	PCA0114766	PCA0113260
Sample Date		Client Info		<b>26 Apr 2024</b>	10 Feb 2024	26 Nov 2023
Machine Age	mls	Client Info		<b>186294</b>	0	142597
Oil Age	mls	Client Info		<b>0</b>	40000	21980
Filter Age	mls	Client Info		<b>0</b>	20000	21980
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	MARGINAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>19</b>	38	32
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>4	<b>2</b>	4	2
Titanium	ppm	ASTM D5185m		<b>34</b>	8	1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	7	5
Lead	ppm	ASTM D5185m	>40	<b>0</b>	3	<1
Copper	ppm	ASTM D5185m	>330	<b>6</b>	14	12
Tin	ppm	ASTM D5185m	>15	<b>0</b>	2	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

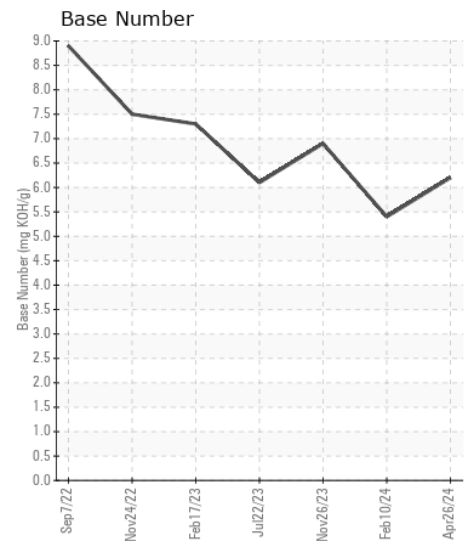
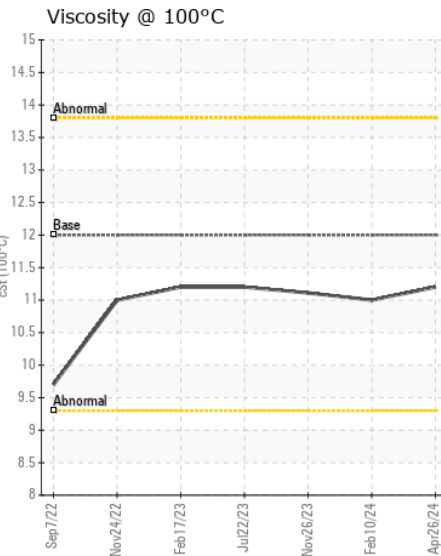
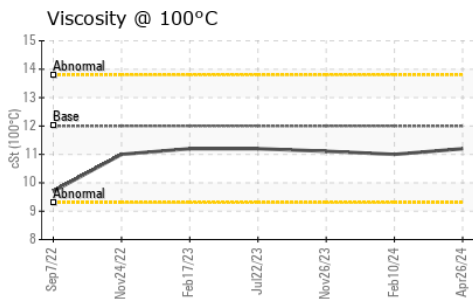
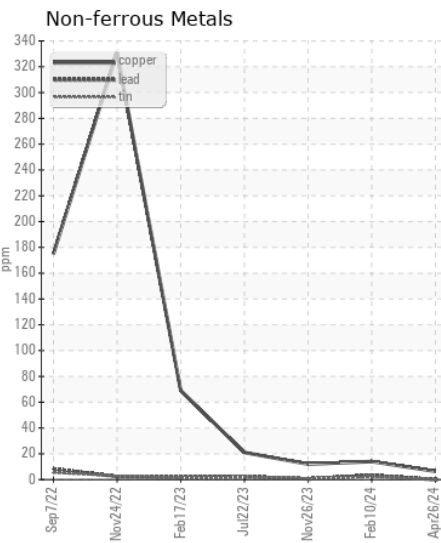
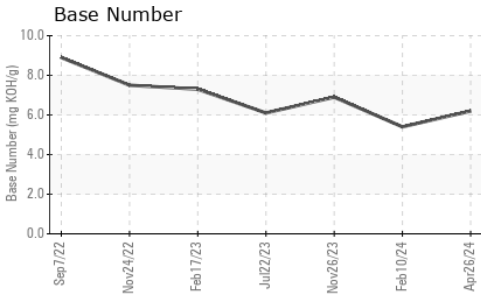
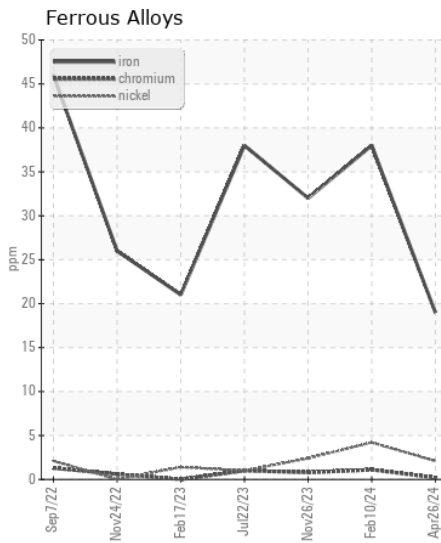
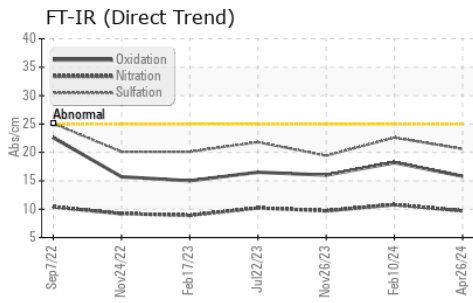
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	6	8
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	20	15
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>0.5</b>	0.8	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.7</b>	10.8	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.6</b>	22.6	19.4
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	▲ 0.2%

**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>2</b>	3	0
Boron	ppm	ASTM D5185m	2	<b>20</b>	6	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>38</b>	49	59
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	1
Magnesium	ppm	ASTM D5185m	950	<b>765</b>	780	910
Calcium	ppm	ASTM D5185m	1050	<b>1405</b>	1093	1036
Phosphorus	ppm	ASTM D5185m	995	<b>1076</b>	888	980
Zinc	ppm	ASTM D5185m	1180	<b>1273</b>	1056	1200
Sulfur	ppm	ASTM D5185m	2600	<b>4093</b>	3150	3925
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.8</b>	18.2	16.0
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.2</b>	5.4	6.9
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.2</b>	11.0	11.11



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0125016  
**Lab Number** : 06219409  
**Unique Number** : 11097606  
**Test Package** : FLEET

**Received** : 25 Jun 2024  
**Tested** : 25 Jun 2024  
**Diagnosed** : 25 Jun 2024 - Wes Davis

**PERDUE FARMS - GEORGETOWN**  
 20621 SAVANAH RD  
 GEORGETOWN, DE  
 US 19947

Contact: ROBERT LOCKWOOD  
 Robert.Lockwood@Perdue.com

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)

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F: