



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

Machine Id  
**2126941**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0120170</b>	PCA0111480	PCA0107909
Sample Date		Client Info		<b>24 Jun 2024</b>	12 Feb 2024	18 Oct 2023
Machine Age	mls	Client Info		<b>155072</b>	103058	64587
Oil Age	mls	Client Info		<b>40162</b>	37049	64587
Filter Age	mls	Client Info		<b>40162</b>	37049	64587
Oil Changed		Client Info		<b>Changed</b>	Changed	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>49</b>	35	48
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	5	18
Lead	ppm	ASTM D5185m	>40	<b>2</b>	3	4
Copper	ppm	ASTM D5185m	>330	<b>15</b>	51	191
Tin	ppm	ASTM D5185m	>15	<b>2</b>	2	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

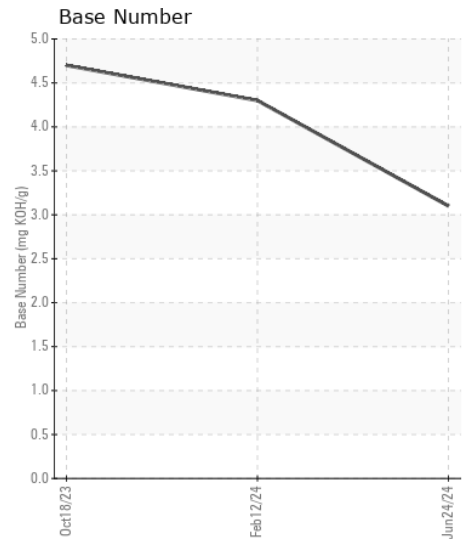
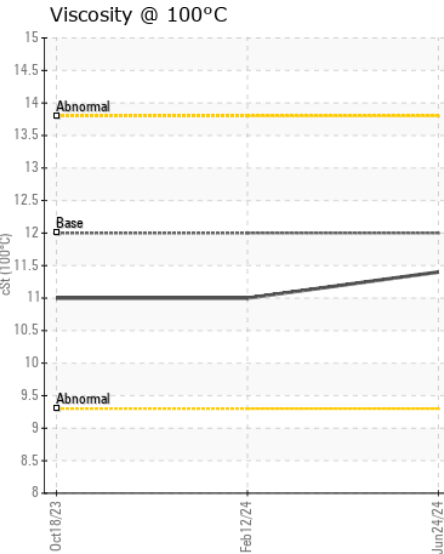
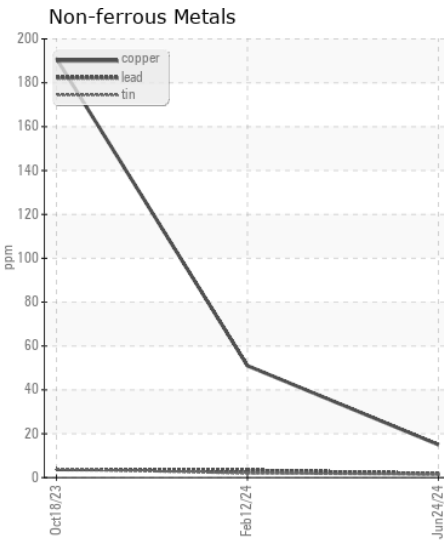
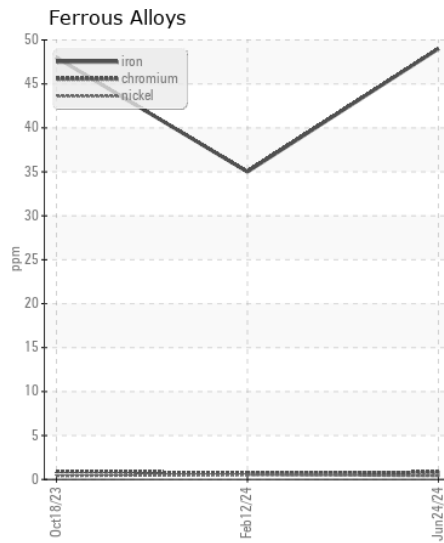
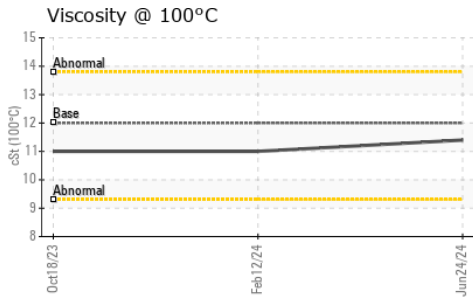
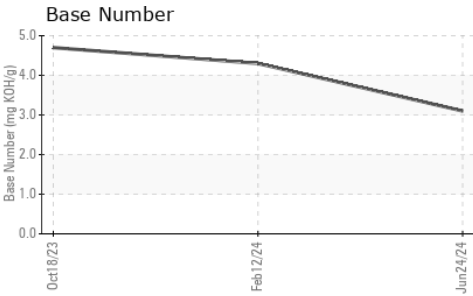
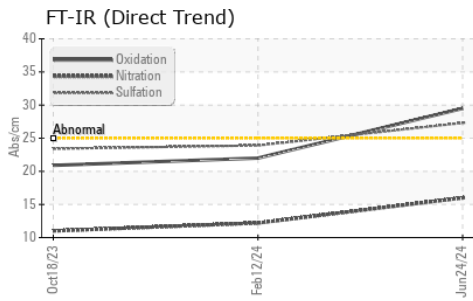
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	7	12
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	12	48
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>0.6</b>	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>16.0</b>	12.2	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>27.3</b>	23.9	23.4
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	NEG

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>2</b>	2	2
Boron	ppm	ASTM D5185m	2	<b>2</b>	13	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	50	<b>50</b>	66	81
Manganese	ppm	ASTM D5185m	0	<b>1</b>	<1	1
Magnesium	ppm	ASTM D5185m	950	<b>793</b>	1010	1040
Calcium	ppm	ASTM D5185m	1050	<b>912</b>	1133	1367
Phosphorus	ppm	ASTM D5185m	995	<b>665</b>	959	992
Zinc	ppm	ASTM D5185m	1180	<b>1016</b>	1276	1336
Sulfur	ppm	ASTM D5185m	2600	<b>2108</b>	2504	3055
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>29.5</b>	22.0	20.9
Base Number (BN)	mg KOH/g	ASTM D2896		<b>3.1</b>	4.3	4.7
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.4</b>	11.0	11.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0120170 **Received** : 27 Jun 2024  
**Lab Number** : 06222075 **Tested** : 28 Jun 2024  
**Unique Number** : 11100272 **Diagnosed** : 28 Jun 2024 - Don Baldrige  
**Test Package** : FLEET

**PERDUE FARMS - Lewiston**  
 210 GRIFFINS QUARTER RD  
 LEWISTON, NC  
 US 27849  
 Contact: NELSON WALLACE  
 nelson.wallace2@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: