



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

Area

**FLEET**

Machine Id

**2126901**

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>PCA0104327</b>	PCA0051424	PCA0051417
Sample Date		Client Info		<b>12 Feb 2024</b>	23 Jun 2022	20 Dec 2021
Machine Age	mls	Client Info		<b>236655</b>	130363	97713
Oil Age	mls	Client Info		<b>0</b>	0	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>33</b>	42	36
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	1	1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	6	10
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	3	2
Copper	ppm	ASTM D5185m	>330	<b>5</b>	18	20
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	3	3
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**

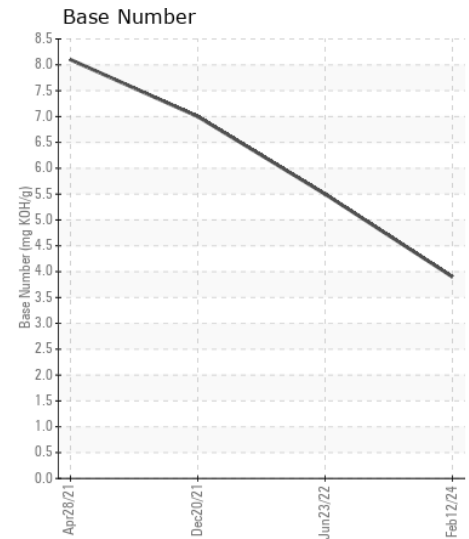
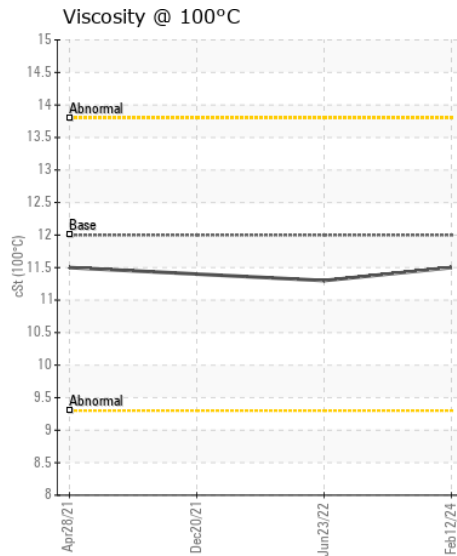
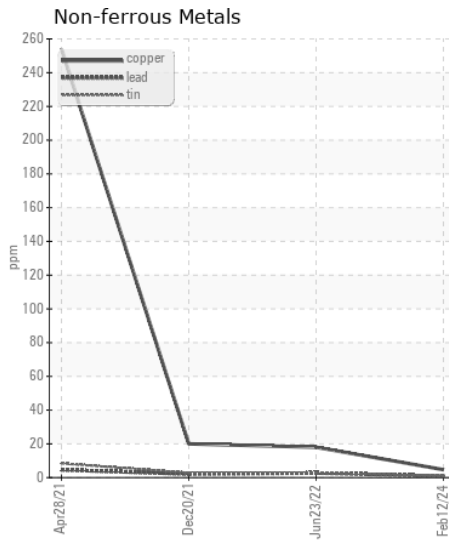
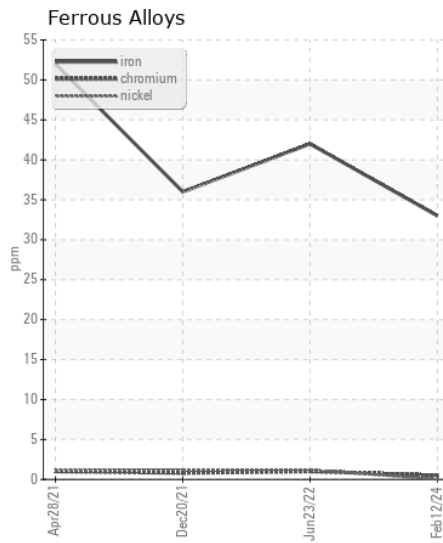
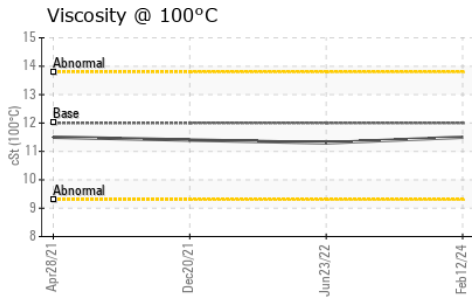
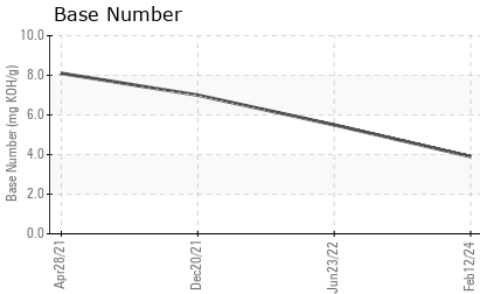
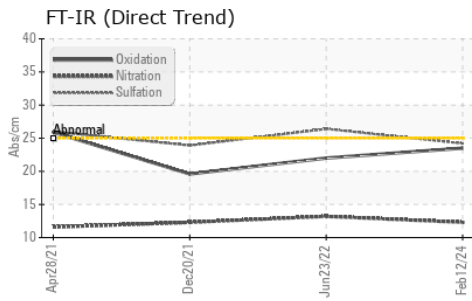
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>7</b>	6	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	9	21
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>	0.9	0.9
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.3</b>	13.2	12.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.2</b>	26.4	23.9
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>15</b>	3	3
Boron	ppm	ASTM D5185m	2	<b>5</b>	1	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>59</b>	62	57
Manganese	ppm	ASTM D5185m	0	<b>1</b>	1	1
Magnesium	ppm	ASTM D5185m	950	<b>939</b>	943	869
Calcium	ppm	ASTM D5185m	1050	<b>1182</b>	1200	1111
Phosphorus	ppm	ASTM D5185m	995	<b>1063</b>	911	844
Zinc	ppm	ASTM D5185m	1180	<b>1328</b>	1233	1067
Sulfur	ppm	ASTM D5185m	2600	<b>2739</b>	3000	2004
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.5</b>	22.0	19.6
Base Number (BN)	mg KOH/g	ASTM D2896		<b>3.9</b>	5.5	7
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.5</b>	11.3	11.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0104327  
**Lab Number** : 06147117  
**Unique Number** : 10977195  
**Test Package** : FLEET  
**Received** : 12 Apr 2024  
**Tested** : 15 Apr 2024  
**Diagnosed** : 15 Apr 2024 - Wes Davis

**PERDUE FARMS - COFIELD**  
 242 PERDUE RD  
 COFIELD, NC  
 US 27922  
 Contact: JOHNNY LASSITER  
 johnny.lassiter@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)

T:  
F: