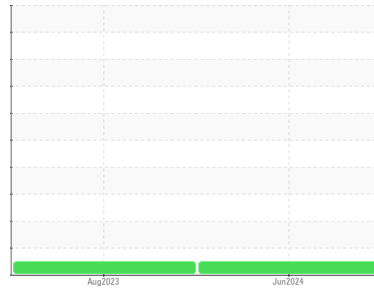


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Area  
**(51448z)**  
Machine Id  
**136A63378**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

**DIAGNOSIS**
**Recommendation**

Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

There is no indication of any contamination in the oil.

**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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0119322</b>	PCA0105678	---
Sample Date	Client Info			<b>03 Jun 2024</b>	31 Aug 2023	---
Machine Age	mls	Client Info		<b>139514</b>	92244	---
Oil Age	mls	Client Info		<b>0</b>	5000	---
Oil Changed	Client Info			<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>17</b>	58	---
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	8	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>9</b>	146	---
Lead	ppm	ASTM D5185m	>30	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>150	<b>12</b>	61	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

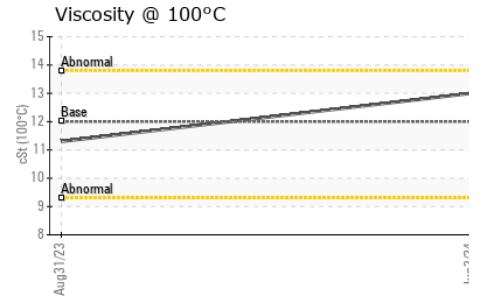
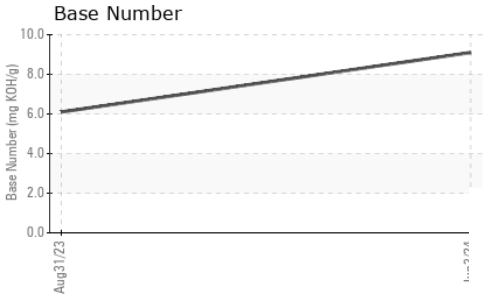
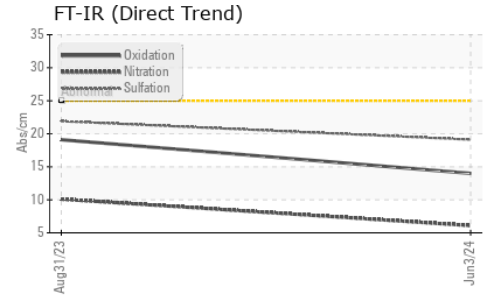
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>4</b>	4	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	50	<b>60</b>	60	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185m	950	<b>927</b>	979	---
Calcium	ppm	ASTM D5185m	1050	<b>1091</b>	1315	---
Phosphorus	ppm	ASTM D5185m	995	<b>1028</b>	936	---
Zinc	ppm	ASTM D5185m	1180	<b>1239</b>	1236	---
Sulfur	ppm	ASTM D5185m	2600	<b>3600</b>	2526	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>4</b>	8	---
Sodium	ppm	ASTM D5185m		<b>0</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>12</b>	292	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.1</b>	10.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.1</b>	21.9	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.0</b>	19.1	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>9.1</b>	6.1	---

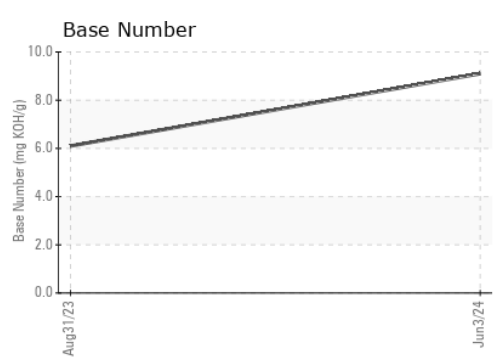
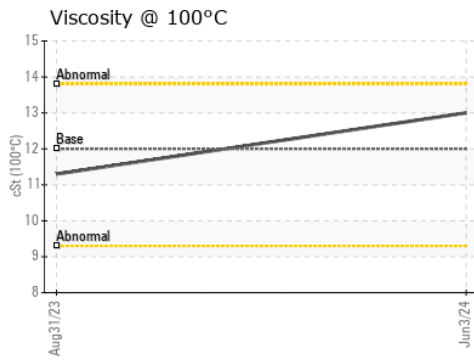
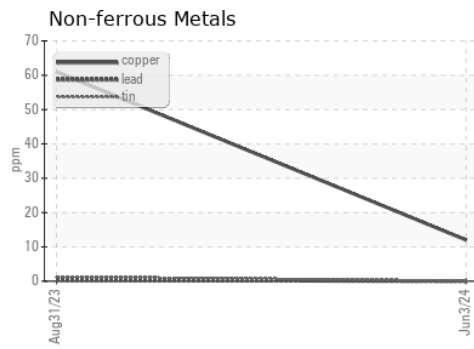
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	<b>13.0</b>	11.3

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0119322      **Received** : 07 Jun 2024  
**Lab Number** : **06202530**      **Tested** : 10 Jun 2024  
**Unique Number** : 11069991      **Diagnosed** : 10 Jun 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1377 - Berkeley-Dayville**  
 68 Shepherd Hill Rd  
 Danielson, CT  
 US 06239

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)

Contact: Shop 1377 Oil Analysis  
shop1377@transervice.com

T:  
F: