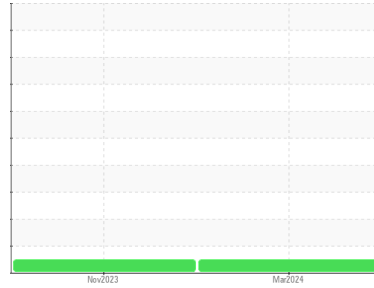


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(P798443) Preferred Service-Tractor**  
 Machine Id  
**[Preferred Service-Tractor] 192A01737**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (36 QTS)**

## 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>PCA0116673</b>	PCA0109421	---
Sample Date	Client Info			<b>12 Mar 2024</b>	15 Nov 2023	---
Machine Age	mls Client Info			<b>452077</b>	443529	---
Oil Age	mls Client Info			<b>8548</b>	11162	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0		<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	>100	<b>21</b>	20	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	2	---
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>3</b>	2	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

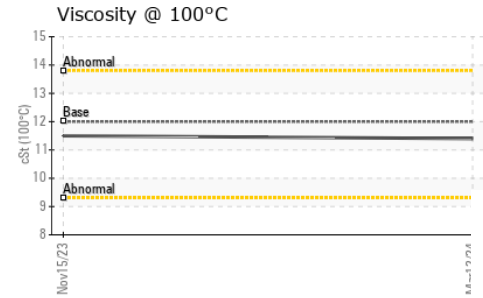
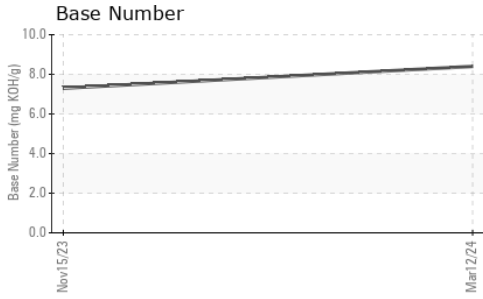
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	50	<b>89</b>	57	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	950	<b>1470</b>	999	---
Calcium	ppm	ASTM D5185m	1050	<b>1579</b>	1147	---
Phosphorus	ppm	ASTM D5185m	995	<b>1600</b>	1088	---
Zinc	ppm	ASTM D5185m	1180	<b>1927</b>	1296	---
Sulfur	ppm	ASTM D5185m	2600	<b>4795</b>	2825	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>5</b>	2	---
Sodium	ppm	ASTM D5185m		<b>4</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.7</b>	1.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.8</b>	8.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.1</b>	21.1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.7</b>	15.8	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.4</b>	7.3	---

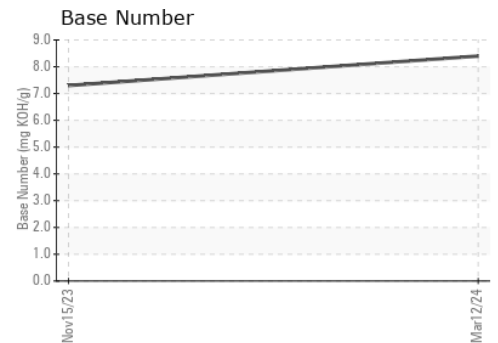
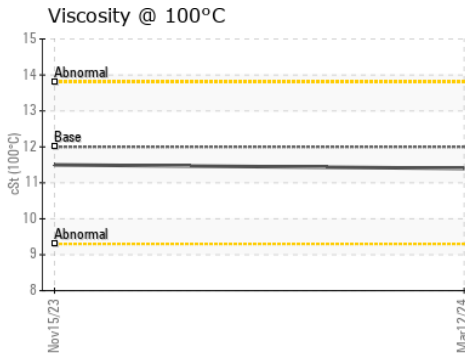
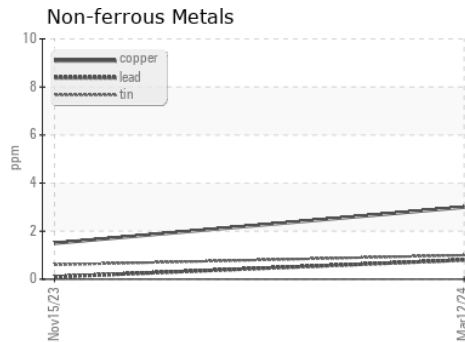
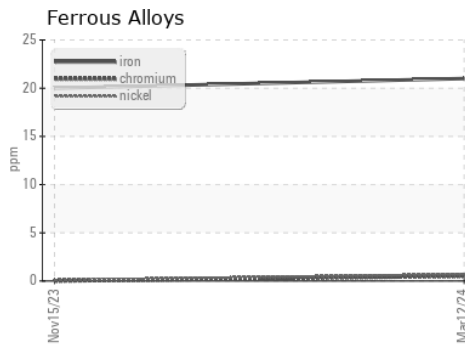
# OIL ANALYSIS REPORT



PARAMETER	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>11.4</b>	11.5

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116673  
**Lab Number** : **06126121**  
**Unique Number** : 10940272  
**Test Package** : FLEET  
**Received** : 22 Mar 2024  
**Tested** : 22 Mar 2024  
**Diagnosed** : 26 Mar 2024 - Don Baldrige

**Transervice - Shop 1920 - Preferred Service**  
 1955 W. North Avenue, Bldg K  
 Melrose Park, IL  
 US 60160  
 Contact: Tom Lindeman  
 tlindemann@transervice.com  
 T: (630)376-8946  
 F:

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)