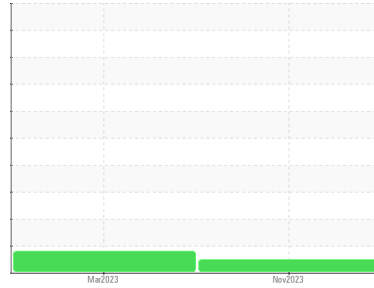


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(47478PC) Feldman Lumber-Tractor**  
Machine Id  
**[Feldman Lumber-Tractor] 196D250**  
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>PCA0098289</b>	PCA0091112	---
Sample Date	Client Info	<b>06 Nov 2023</b>	29 Mar 2023	---
Machine Age	mls	Client Info	<b>116299</b>	107663
Oil Age	mls	Client Info	<b>8636</b>	5748
Oil Changed	Client Info	<b>Changed</b>	Changed	---
Sample Status		<b>NORMAL</b>	ABNORMAL	---

## 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>13</b>	20	---
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	1	---
Nickel	ppm ASTM D5185m >2	<b>0</b>	0	---
Titanium	ppm ASTM D5185m	<b>0</b>	0	---
Silver	ppm ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm ASTM D5185m >30	<b>4</b>	1	---
Lead	ppm ASTM D5185m >30	<b>0</b>	0	---
Copper	ppm ASTM D5185m >150	<b>61</b>	▲ 335	---
Tin	ppm ASTM D5185m >5	<b>0</b>	0	---
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>13</b>	13	---
Barium	ppm ASTM D5185m 0	<b>0</b>	2	---
Molybdenum	ppm ASTM D5185m 50	<b>58</b>	61	---
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	1	---
Magnesium	ppm ASTM D5185m 950	<b>858</b>	744	---
Calcium	ppm ASTM D5185m 1050	<b>917</b>	1188	---
Phosphorus	ppm ASTM D5185m 995	<b>847</b>	943	---
Zinc	ppm ASTM D5185m 1180	<b>1050</b>	1121	---
Sulfur	ppm ASTM D5185m 2600	<b>2448</b>	2639	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>7</b>	4	---
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	2	---
Potassium	ppm ASTM D5185m >20	<b>2</b>	6	---

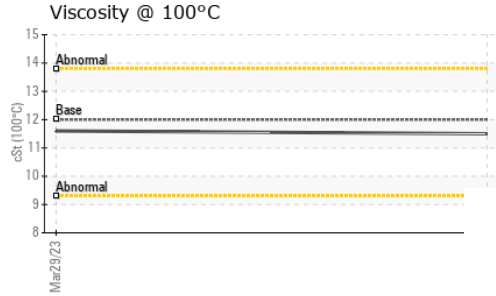
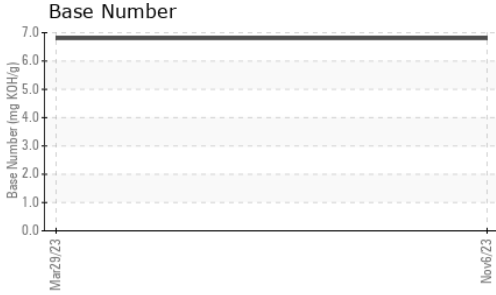
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.7</b>	0.5	---
Nitration	Abs/cm *ASTM D7624 >20	<b>8.0</b>	8.1	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>20.2</b>	19.4	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>14.7</b>	14.4	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>6.8</b>	6.8	---

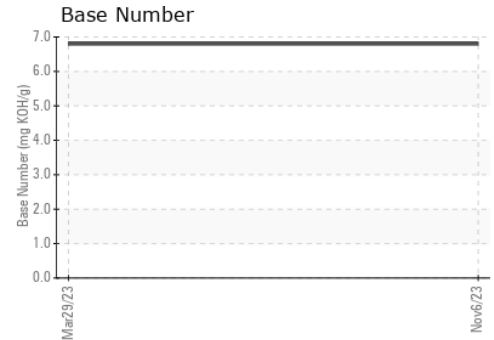
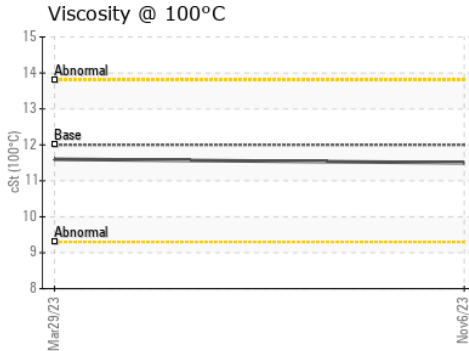
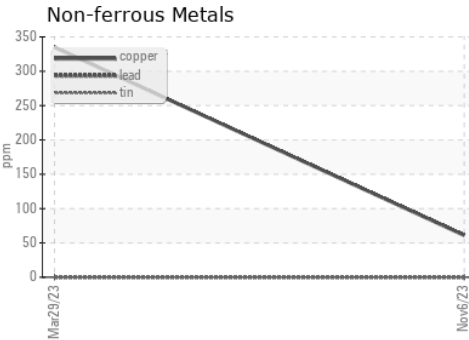
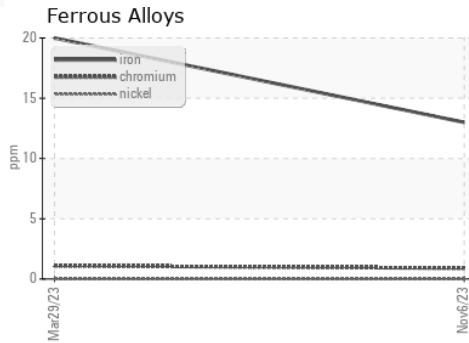
# OIL ANALYSIS REPORT



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>11.5</b>	11.6	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0098289  
**Lab Number** : **06028536**  
**Unique Number** : 10778327  
**Test Package** : FLEET

**Transervice - Shop 1960 - Feldman Lumber Service**  
 1281 Metropolitan Avenue  
 Brooklyn, NY  
 US 11237  
 Contact: Marc Fried  
 mrfried@transervice.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: