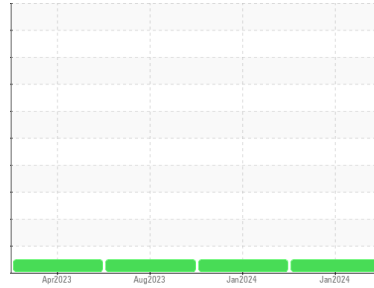


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**(AY411B) Supermarket - Tractor**  
Machine Id  
**FREIGHTLINER 107A8808**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### 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>PCA0111011</b>	PCA0110981	PCA0104122
Sample Date	Client Info		<b>26 Jan 2024</b>	03 Jan 2024	16 Aug 2023
Machine Age	mls	Client Info	<b>54240</b>	52105	36998
Oil Age	mls	Client Info	<b>2135</b>	15107	12598
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	<b>11</b>	31	46
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>2</b>	10	26
Lead	ppm	ASTM D5185m >30	<b>0</b>	0	2
Copper	ppm	ASTM D5185m >150	<b>35</b>	127	132
Tin	ppm	ASTM D5185m >5	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>6</b>	16	13
Barium	ppm	ASTM D5185m 0	<b>8</b>	3	0
Molybdenum	ppm	ASTM D5185m 50	<b>61</b>	66	64
Manganese	ppm	ASTM D5185m 0	<b>0</b>	<1	2
Magnesium	ppm	ASTM D5185m 950	<b>868</b>	933	915
Calcium	ppm	ASTM D5185m 1050	<b>1008</b>	1198	1400
Phosphorus	ppm	ASTM D5185m 995	<b>896</b>	970	933
Zinc	ppm	ASTM D5185m 1180	<b>1135</b>	1249	1218
Sulfur	ppm	ASTM D5185m 2600	<b>2856</b>	2817	2712

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>3</b>	6	8
Sodium	ppm	ASTM D5185m	<b>0</b>	0	5
Potassium	ppm	ASTM D5185m >20	<b>12</b>	37	76

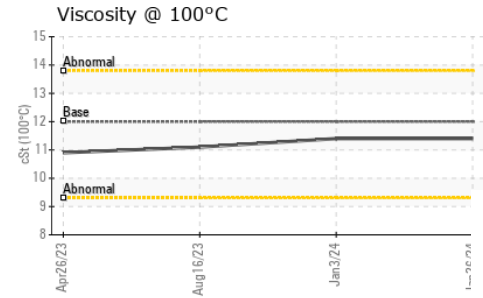
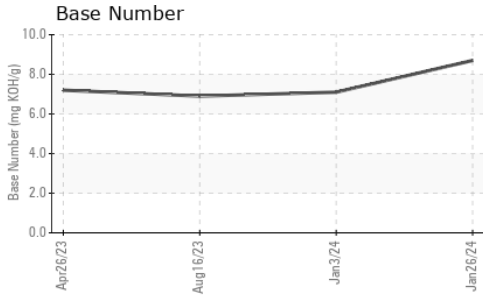
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.3</b>	0.7	0.8
Nitration	Abs/cm	*ASTM D7624 >20	<b>5.6</b>	8.2	9.8
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>18.2</b>	20.5	22.4

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>13.6</b>	16.1	18.9
Base Number (BN)	mg KOH/g	ASTM D2896	<b>8.7</b>	7.1	6.9

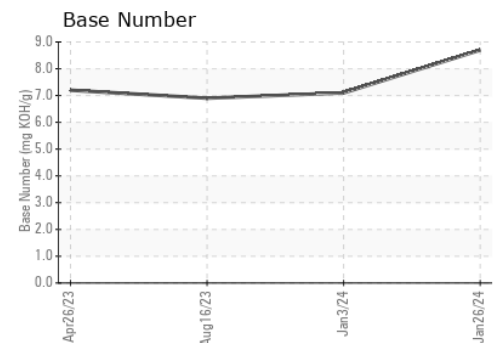
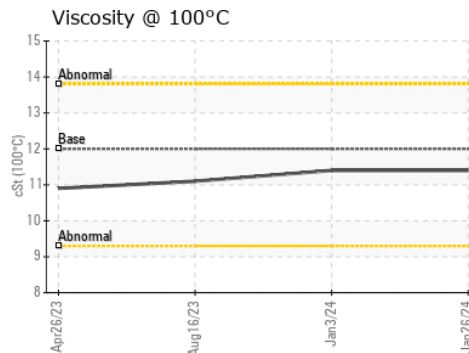
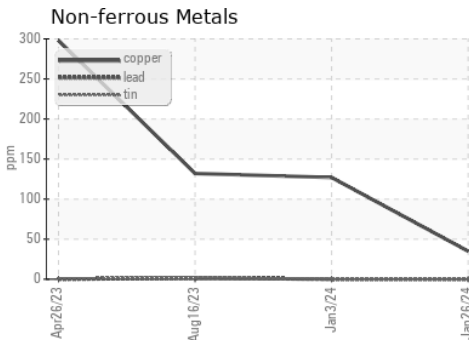
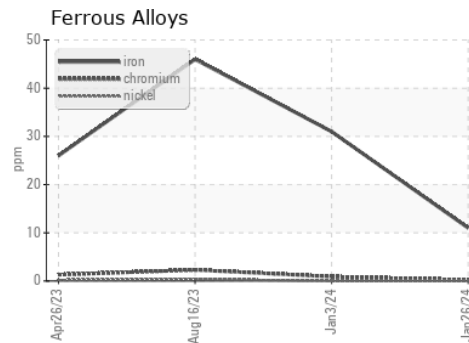
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.4</b>	11.4	11.1

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111011  
**Lab Number** : 06088486  
**Unique Number** : 10875931  
**Test Package** : FLEET

**Received** : 14 Feb 2024  
**Tested** : 15 Feb 2024  
**Diagnosed** : 15 Feb 2024 - Wes Davis

**Transervice - Shop 1071 - Supermarket-Dayton**  
 60 A Tower Road  
 Dayton, NJ  
 US 08810  
 Contact: Brian Quinn  
 bquinn@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)

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F: