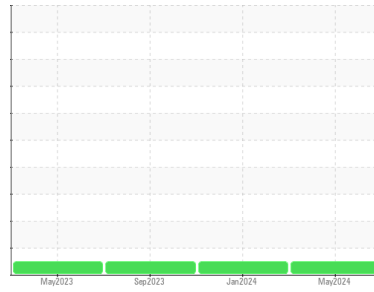


# OIL ANALYSIS REPORT

### Sample Rating Trend



**NORMAL**



Area  
**(AY412B) Supermarket - Tractor**  
 Machine Id  
**FREIGHTLINER 107A8810**  
 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>PCA0124093</b>	PCA0111016	PCA0104111
Sample Date	Client Info		<b>03 May 2024</b>	06 Jan 2024	01 Sep 2023
Machine Age	mls	Client Info	<b>70185</b>	54496	39978
Oil Age	mls	Client Info	<b>15689</b>	14518	13771
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>16</b>	7	57
Chromium	ppm	ASTM D5185m >5	<b>2</b>	<1	3
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>1</b>	<1	<1
Aluminum	ppm	ASTM D5185m >30	<b>11</b>	7	48
Lead	ppm	ASTM D5185m >30	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m >150	<b>25</b>	19	134
Tin	ppm	ASTM D5185m >5	<b>2</b>	<1	3
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>1</b>	7	14
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>65</b>	57	62
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	3
Magnesium	ppm	ASTM D5185m 950	<b>1003</b>	922	879
Calcium	ppm	ASTM D5185m 1050	<b>1146</b>	1014	1381
Phosphorus	ppm	ASTM D5185m 995	<b>1128</b>	1079	912
Zinc	ppm	ASTM D5185m 1180	<b>1312</b>	1252	1205
Sulfur	ppm	ASTM D5185m 2600	<b>3472</b>	3047	2612

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>5</b>	3	7
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	4
Potassium	ppm	ASTM D5185m >20	<b>22</b>	14	105

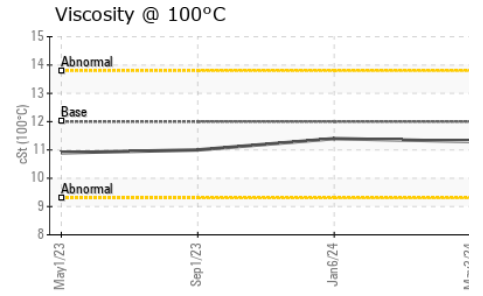
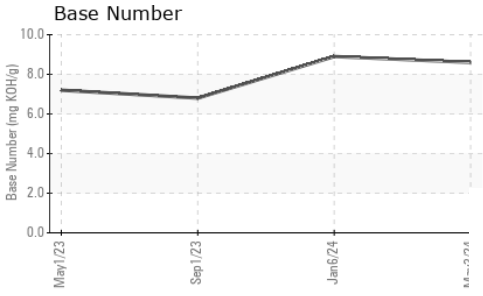
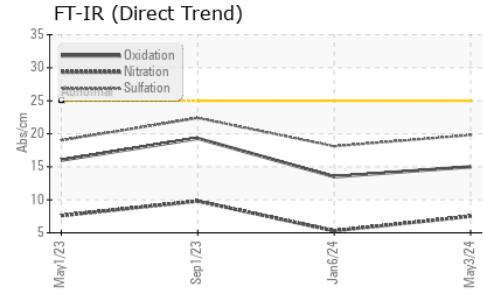
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.6</b>	0.3	1.2
Nitration	Abs/cm	*ASTM D7624 >20	<b>7.5</b>	5.3	9.8
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.8</b>	18.1	22.4

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>15.0</b>	13.5	19.3
Base Number (BN)	mg KOH/g	ASTM D2896	<b>8.6</b>	8.9	6.8

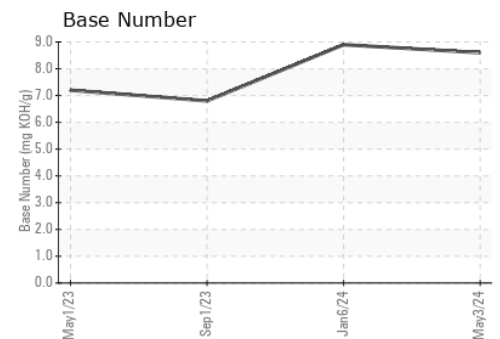
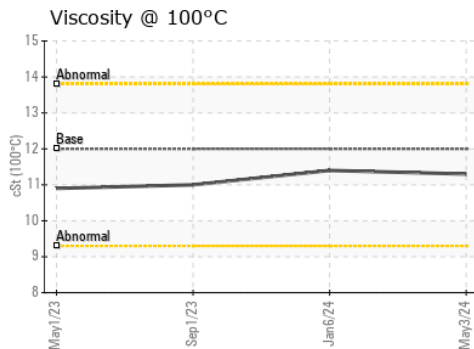
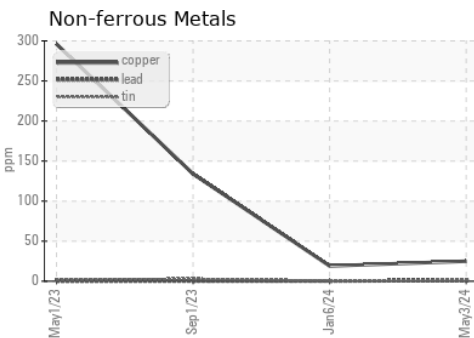
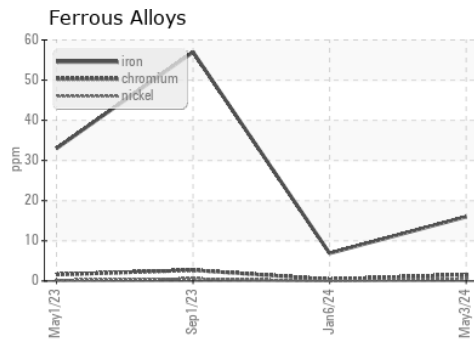
# OIL ANALYSIS REPORT



PARAMETER	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	11.3	11.4

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0124093      **Received** : 22 May 2024  
**Lab Number** : 06187354      **Tested** : 23 May 2024  
**Unique Number** : 11044106      **Diagnosed** : 23 May 2024 - Wes Davis  
**Test Package** : FLEET

**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)