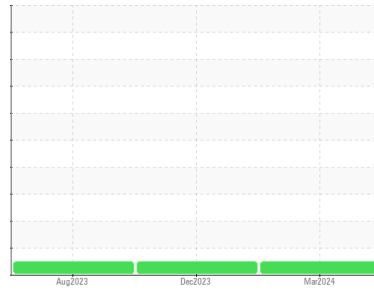


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(AY425B) Supermarket - Tractor**  
 Machine Id  
**FREIGHTLINER 107A8809**  
 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>PCA0116951</b>	PCA0110991	PCA0104114
Sample Date	Client Info		<b>28 Mar 2024</b>	05 Dec 2023	15 Aug 2023
Machine Age	mls	Client Info	<b>65647</b>	55405	43250
Oil Age	mls	Client Info	<b>10242</b>	12155	15783
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>19</b>	26	48
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	2	3
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>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m >30	<b>15</b>	24	40
Lead	ppm	ASTM D5185m >30	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m >150	<b>23</b>	63	95
Tin	ppm	ASTM D5185m >5	<b>&lt;1</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>9</b>	15	9
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>68</b>	62	63
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m 950	<b>1004</b>	798	884
Calcium	ppm	ASTM D5185m 1050	<b>1191</b>	1192	1298
Phosphorus	ppm	ASTM D5185m 995	<b>1151</b>	941	903
Zinc	ppm	ASTM D5185m 1180	<b>1345</b>	1113	1152
Sulfur	ppm	ASTM D5185m 2600	<b>3514</b>	2412	2593

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	4	7
Sodium	ppm	ASTM D5185m	<b>1</b>	<1	4
Potassium	ppm	ASTM D5185m >20	<b>33</b>	52	97

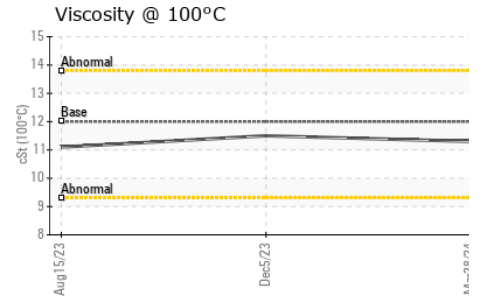
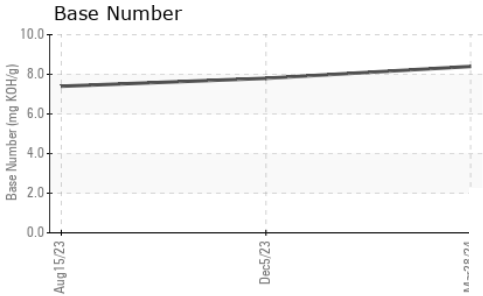
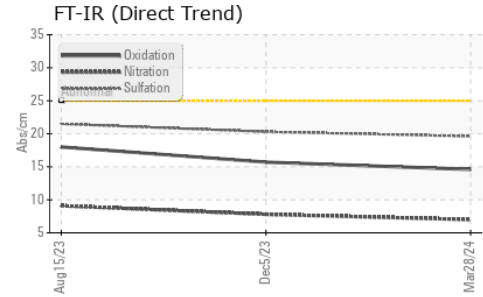
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.5</b>	0.8	1
Nitration	Abs/cm	*ASTM D7624 >20	<b>7.0</b>	7.8	9.1
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.6</b>	20.3	21.5

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>14.6</b>	15.7	18.0
Base Number (BN)	mg KOH/g	ASTM D2896	<b>8.4</b>	7.8	7.4

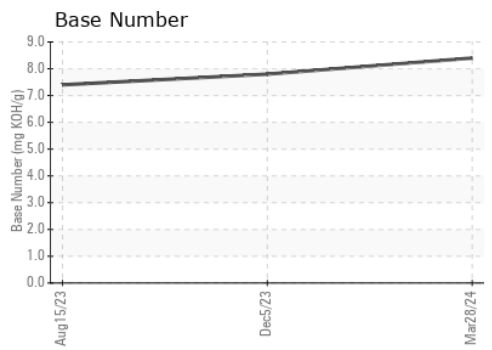
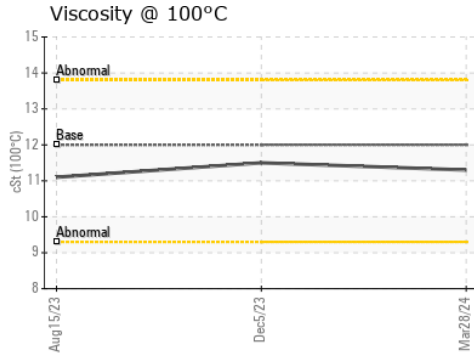
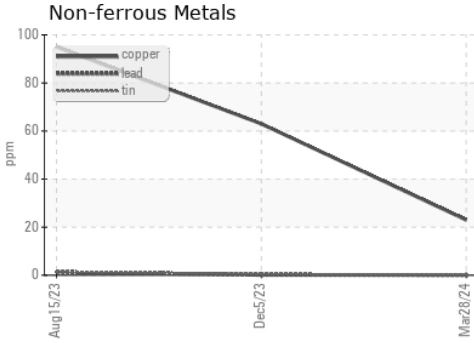
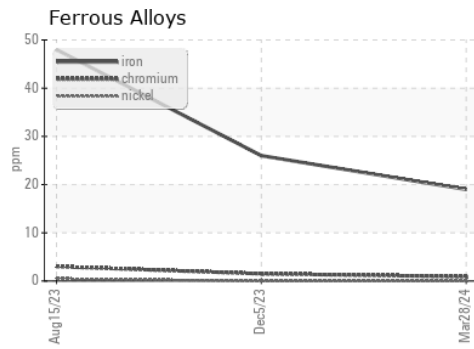
# OIL ANALYSIS REPORT



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	<b>11.3</b>	11.5	11.1

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116951      **Received** : 16 Apr 2024  
**Lab Number** : **06150114**      **Tested** : 17 Apr 2024  
**Unique Number** : 10980192      **Diagnosed** : 17 Apr 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1072 - Supermarket-Elizabeth**  
 505 Division Street  
 Elizabeth, NJ  
 US 07207  
 Contact: Normand Brizak  
 nbrizak@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)