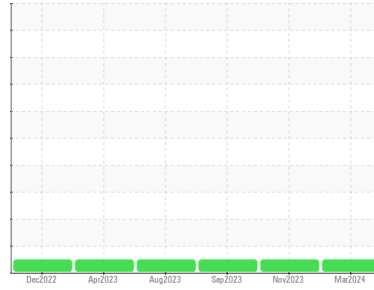


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(89669X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A69090**  
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>PCA0118730</b>	PCA0112884	PCA0103851
Sample Date	Client Info		<b>11 Mar 2024</b>	30 Nov 2023	08 Sep 2023
Machine Age	mls	Client Info	<b>617738</b>	588304	558611
Oil Age	mls	Client Info	<b>59127</b>	29693	27191
Oil Changed	Client Info		<b>Changed</b>	Not Changd	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>32</b>	15	43
Chromium	ppm	ASTM D5185m >5	<b>2</b>	1	3
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>17</b>	9	24
Lead	ppm	ASTM D5185m >30	<b>2</b>	0	0
Copper	ppm	ASTM D5185m >150	<b>4</b>	3	6
Tin	ppm	ASTM D5185m >5	<b>2</b>	0	<1
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>&lt;1</b>	1	0
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>57</b>	57	65
Manganese	ppm	ASTM D5185m 0	<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>987</b>	896	1063
Calcium	ppm	ASTM D5185m 1050	<b>1143</b>	1016	1183
Phosphorus	ppm	ASTM D5185m 995	<b>1029</b>	983	1052
Zinc	ppm	ASTM D5185m 1180	<b>1303</b>	1220	1322
Sulfur	ppm	ASTM D5185m 2600	<b>3182</b>	2747	3175

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>5</b>	3	5
Sodium	ppm	ASTM D5185m	<b>3</b>	3	3
Potassium	ppm	ASTM D5185m >20	<b>3</b>	1	3

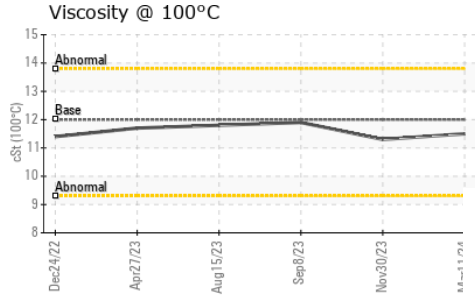
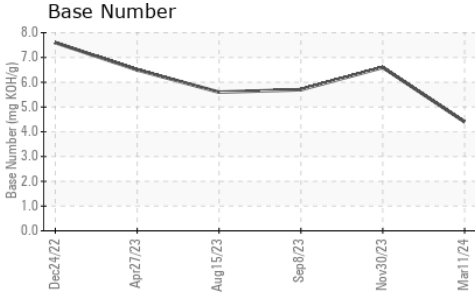
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>1</b>	0.5	0.9
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.9</b>	8.7	10.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>24.5</b>	20.4	22.7

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>21.4</b>	17.1	18.7
Base Number (BN)	mg KOH/g	ASTM D2896	<b>4.4</b>	6.6	5.7

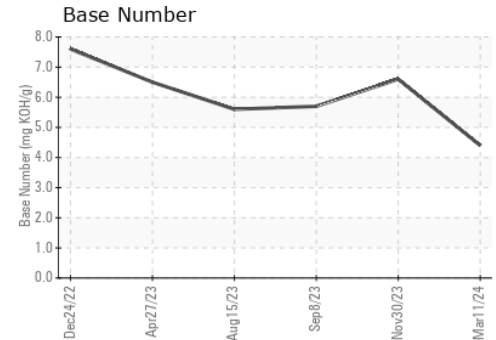
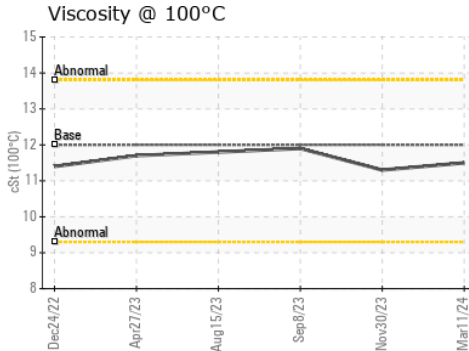
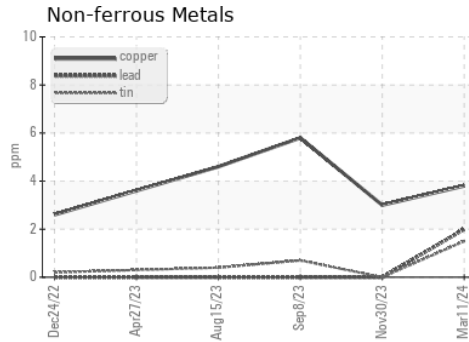
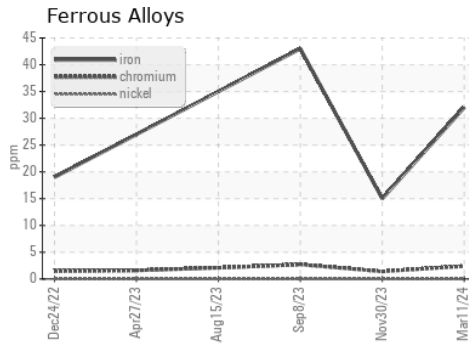
# OIL ANALYSIS REPORT



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>11.5</b>	11.3	11.9

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0118730  
**Lab Number** : 06118790  
**Unique Number** : 10927623  
**Test Package** : FLEET

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

**Transervice - Shop 1364 - Berkeley-Mt. Vernon**  
 5100 Lake Terrace NE  
 Mt. Vernon, IL  
 US 62864  
 Contact: Erien White  
 ewhite@transervice.com  
 T: (618)244-8726  
 F: (618)244-8791

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)