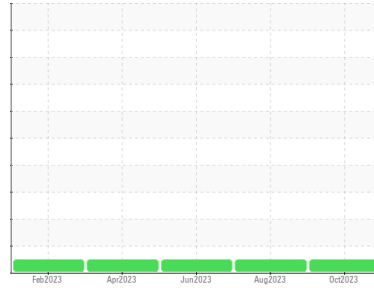


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(54077Z) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A63422**  
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>PCA0103787</b>	PCA0100218	PCA0100272
Sample Date	Client Info		<b>05 Oct 2023</b>	09 Aug 2023	12 Jun 2023
Machine Age	mls	Client Info	<b>141343</b>	114714	84834
Oil Age	mls	Client Info	<b>26629</b>	56580	26700
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not 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
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	<b>12</b>	36	22
Chromium	ppm	ASTM D5185m >5	<b>2</b>	4	4
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	<1	1
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m >30	<b>14</b>	56	50
Lead	ppm	ASTM D5185m >30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >150	<b>40</b>	66	166
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>2</b>	3	5
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>57</b>	60	58
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185m 950	<b>891</b>	990	952
Calcium	ppm	ASTM D5185m 1050	<b>1041</b>	1388	1256
Phosphorus	ppm	ASTM D5185m 995	<b>813</b>	937	1013
Zinc	ppm	ASTM D5185m 1180	<b>1185</b>	1267	1303
Sulfur	ppm	ASTM D5185m 2600	<b>2523</b>	2706	3285

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	5	4
Sodium	ppm	ASTM D5185m	<b>2</b>	4	3
Potassium	ppm	ASTM D5185m >20	<b>30</b>	117	84

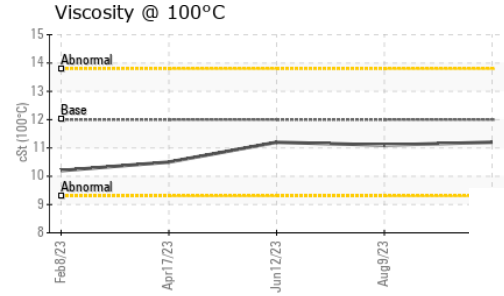
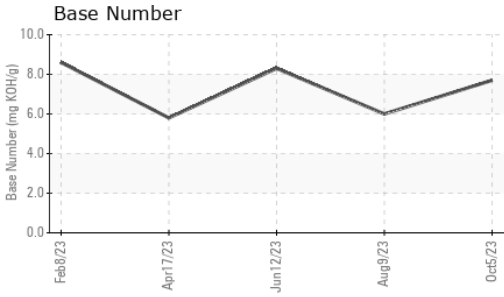
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.3</b>	0.5	0.3
Nitration	Abs/cm	*ASTM D7624 >20	<b>7.6</b>	9.6	8.8
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.2</b>	21.3	19.9

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.0</b>	20.3	17.0
Base Number (BN)	mg KOH/g	ASTM D2896	<b>7.7</b>	6.0	8.3

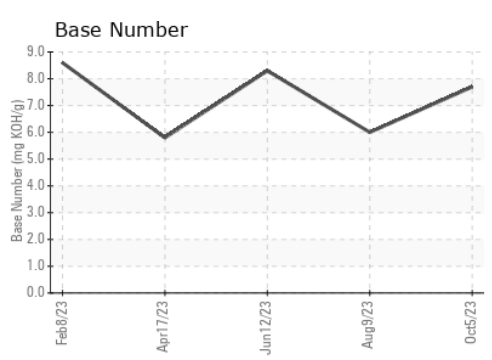
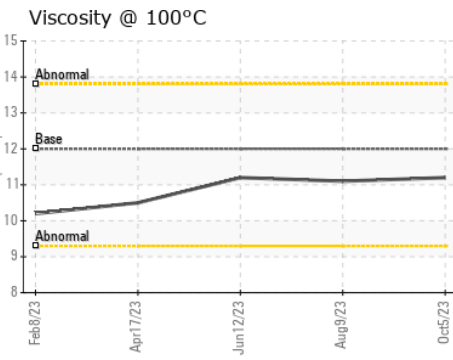
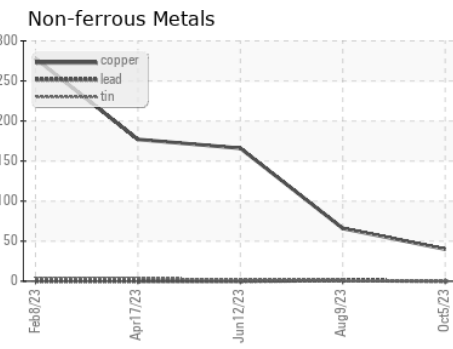
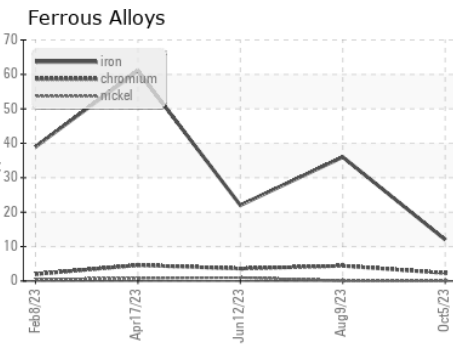
# OIL ANALYSIS REPORT



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	11.2	11.1

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103787 **Received** : 16 Oct 2023  
**Lab Number** : 05979330 **Diagnosed** : 17 Oct 2023  
**Unique Number** : 10696625 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**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

Certificate L2367  
 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)