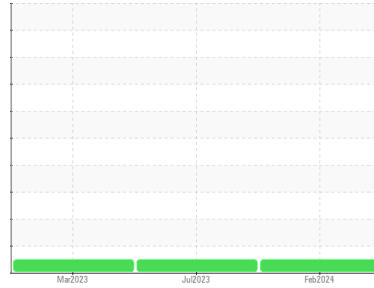


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(14249Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A61444**  
 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>PCA0107553</b>	PCA0094409	PCA0092028
Sample Date	Client Info	<b>20 Feb 2024</b>	03 Jul 2023	09 Mar 2023
Machine Age	mls Client Info	<b>389603</b>	369537	353757
Oil Age	mls Client Info	<b>389603</b>	369537	353757
Oil Changed	Client Info	<b>Changed</b>	Changed	Not Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >2.0	<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 >100	<b>22</b>	22	14
Chromium	ppm ASTM D5185m >20	<b>1</b>	1	1
Nickel	ppm ASTM D5185m >4	<b>0</b>	<1	6
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >20	<b>2</b>	4	4
Lead	ppm ASTM D5185m >40	<b>2</b>	3	0
Copper	ppm ASTM D5185m >330	<b>4</b>	6	17
Tin	ppm ASTM D5185m >15	<b>&lt;1</b>	<1	<1
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>4</b>	<1	8
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>57</b>	61	57
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>904</b>	918	887
Calcium	ppm ASTM D5185m 1050	<b>1061</b>	1131	1077
Phosphorus	ppm ASTM D5185m 995	<b>992</b>	1010	908
Zinc	ppm ASTM D5185m 1180	<b>1250</b>	1244	1256
Sulfur	ppm ASTM D5185m 2600	<b>2824</b>	2951	3056

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>5</b>	4	6
Sodium	ppm ASTM D5185m	<b>1</b>	0	2
Potassium	ppm ASTM D5185m >20	<b>2</b>	4	8

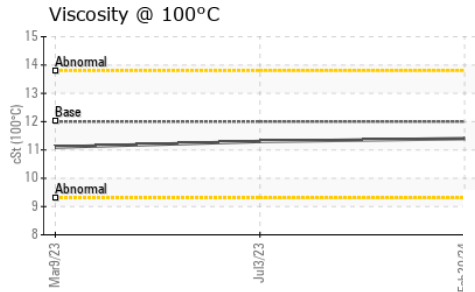
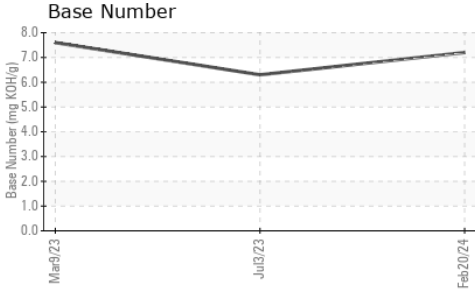
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>1.2</b>	0.7	0.4
Nitration	Abs/cm *ASTM D7624 >20	<b>10.2</b>	11.2	9.0
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>21.5</b>	23.6	20.1

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>16.3</b>	19.0	15.8
Base Number (BN)	mg KOH/g ASTM D2896	<b>7.2</b>	6.3	7.6

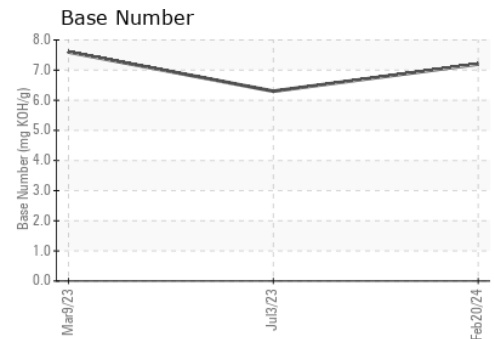
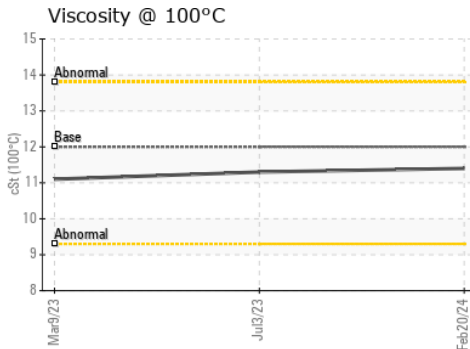
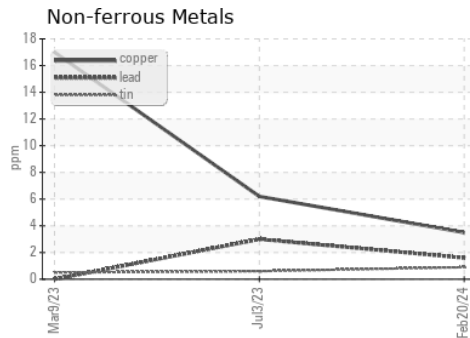
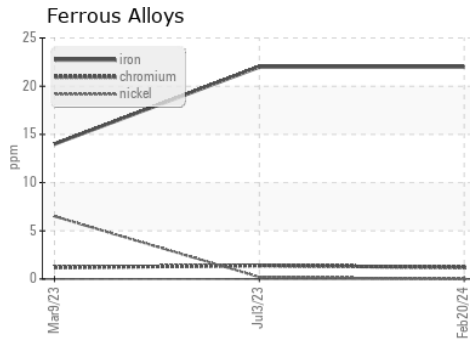
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.4</b>	11.3

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0107553  
**Lab Number** : **06105872**  
**Unique Number** : 10909369  
**Test Package** : FLEET

**Received** : 01 Mar 2024  
**Tested** : 02 Mar 2024  
**Diagnosed** : 02 Mar 2024 - Wes Davis

**Transervice - Shop 1367 - Berkeley-Jupiter**  
 15998 Walgreens Drive  
 Jupiter, FL  
 US 33478

Contact: Manny Gonzalez  
 egonzalez@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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