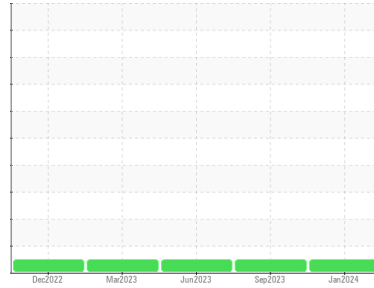


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(94687X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A62046**  
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>PCA0112804</b>	PCA0103818	PCA0094730	
Sample Date	Client Info	<b>29 Jan 2024</b>	21 Sep 2023	05 Jun 2023	
Machine Age	mls	Client Info	<b>583881</b>	556880	543347
Oil Age	mls	Client Info	<b>27001</b>	13533	54381
Oil Changed	Client Info	<b>Not Chngd</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>18</b>	15	39
Chromium	ppm ASTM D5185m >5	<b>1</b>	2	2
Nickel	ppm ASTM D5185m >2	<b>&lt;1</b>	<1	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >30	<b>8</b>	7	21
Lead	ppm ASTM D5185m >30	<b>0</b>	0	0
Copper	ppm ASTM D5185m >150	<b>4</b>	3	5
Tin	ppm ASTM D5185m >5	<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>0</b>	<1	0
Barium	ppm ASTM D5185m 0	<b>0</b>	2	0
Molybdenum	ppm ASTM D5185m 50	<b>64</b>	64	65
Manganese	ppm ASTM D5185m 0	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>913</b>	988	1033
Calcium	ppm ASTM D5185m 1050	<b>1066</b>	1074	1195
Phosphorus	ppm ASTM D5185m 995	<b>952</b>	1081	1041
Zinc	ppm ASTM D5185m 1180	<b>1203</b>	1313	1341
Sulfur	ppm ASTM D5185m 2600	<b>2815</b>	3288	3149

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>4</b>	4	4
Sodium	ppm ASTM D5185m	<b>0</b>	1	3
Potassium	ppm ASTM D5185m >20	<b>2</b>	<1	1

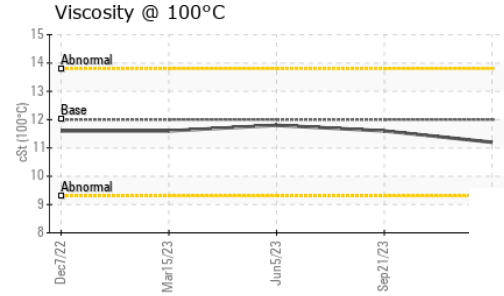
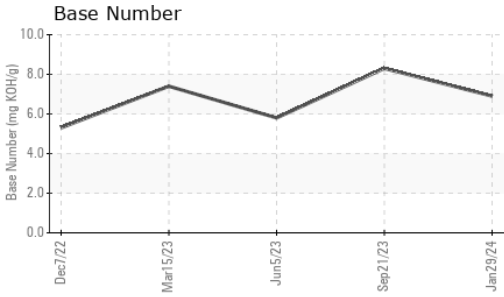
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.4</b>	0.3	0.7
Nitration	Abs/cm *ASTM D7624 >20	<b>8.6</b>	7.2	10.8
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>19.4</b>	18.6	23.6

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>16.4</b>	14.8	20.9
Base Number (BN)	mg KOH/g ASTM D2896	<b>6.9</b>	8.3	5.8

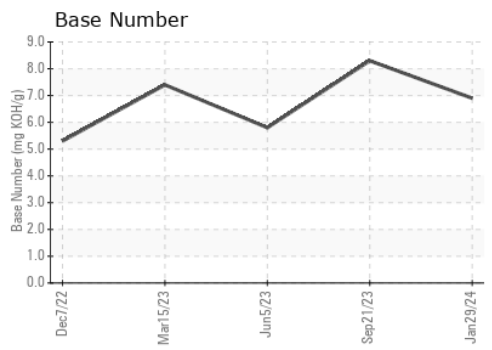
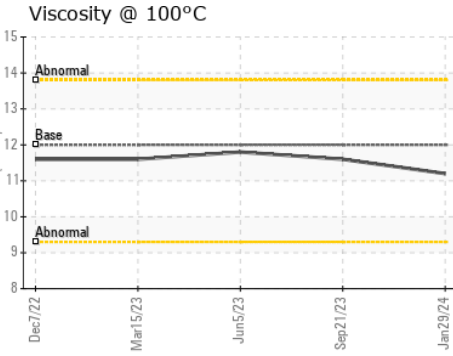
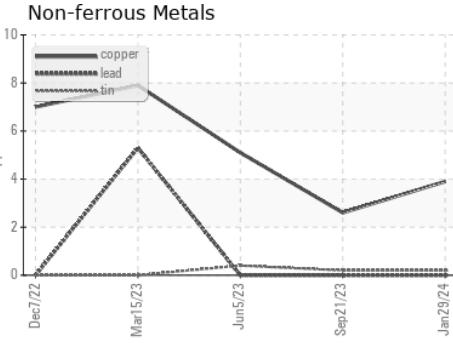
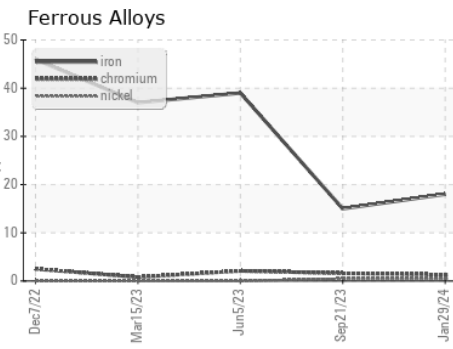
# OIL ANALYSIS REPORT



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>11.2</b>	11.6	11.8

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112804  
**Lab Number** : **06077571**  
**Unique Number** : 10859662  
**Test Package** : FLEET

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