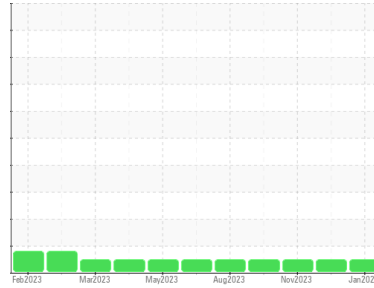


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**(TEMP) Walgreens - Yard Horse**  
 Machine Id  
**[Walgreens - Yard Horse] 136A81258**  
 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>PCA0105872</b>	PCA0105924	PCA0105914
Sample Date	Client Info	<b>08 Jan 2024</b>	07 Dec 2023	07 Nov 2023
Machine Age	hrs Client Info	<b>5550</b>	5373	5162
Oil Age	hrs Client Info	<b>200</b>	211	200
Oil Changed	Client Info	<b>Oil Added</b>	Oil Added	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 >100	<b>14</b>	18	87
Chromium	ppm ASTM D5185m >20	<b>&lt;1</b>	<1	2
Nickel	ppm ASTM D5185m >4	<b>&lt;1</b>	2	<1
Titanium	ppm ASTM D5185m	<b>0</b>	<1	0
Silver	ppm ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >20	<b>3</b>	3	8
Lead	ppm ASTM D5185m >40	<b>0</b>	<1	0
Copper	ppm ASTM D5185m >330	<b>&lt;1</b>	<1	2
Tin	ppm ASTM D5185m >15	<b>0</b>	0	<1
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>0</b>	2	0
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>52</b>	59	58
Manganese	ppm ASTM D5185m 0	<b>0</b>	<1	1
Magnesium	ppm ASTM D5185m 950	<b>923</b>	1106	875
Calcium	ppm ASTM D5185m 1050	<b>944</b>	1150	1026
Phosphorus	ppm ASTM D5185m 995	<b>990</b>	1191	939
Zinc	ppm ASTM D5185m 1180	<b>1206</b>	1462	1168
Sulfur	ppm ASTM D5185m 2600	<b>2987</b>	3594	2232

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>3</b>	4	9
Sodium	ppm ASTM D5185m	<b>1</b>	4	3
Potassium	ppm ASTM D5185m >20	<b>2</b>	4	<1

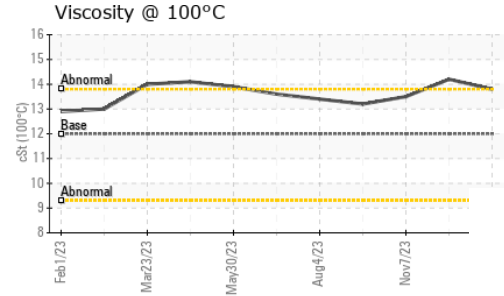
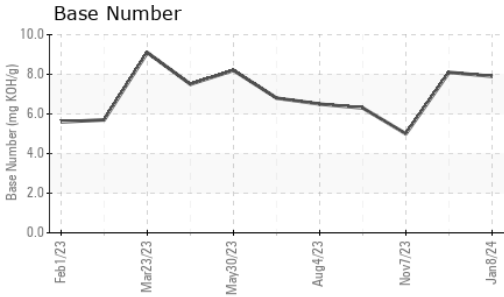
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.5</b>	0.4	1.5
Nitration	Abs/cm *ASTM D7624 >20	<b>8.4</b>	7.4	13.8
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>18.3</b>	18.8	26.0

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>15.0</b>	14.9	23.3
Base Number (BN)	mg KOH/g ASTM D2896	<b>7.9</b>	8.1	5.0

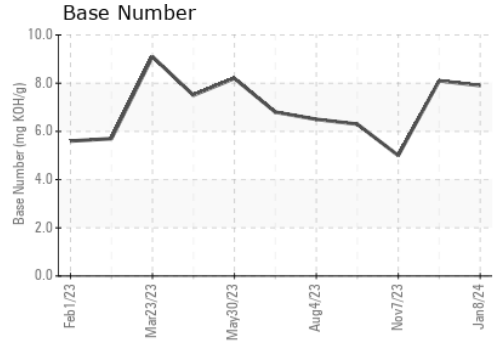
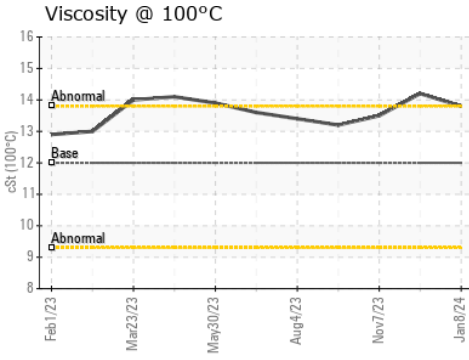
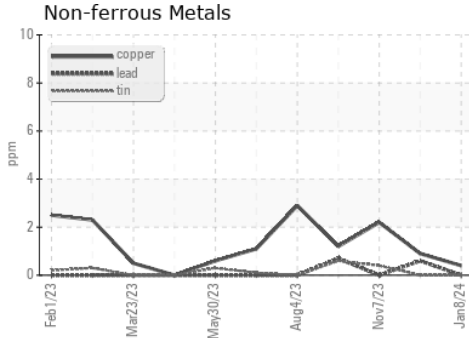
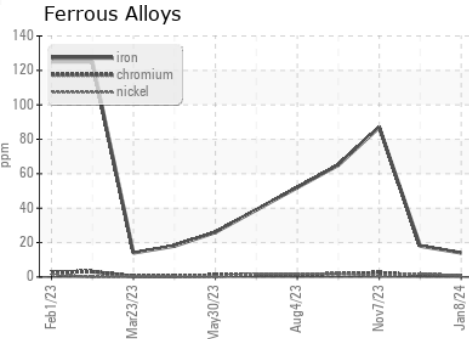
# OIL ANALYSIS REPORT



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>13.8</b>	14.2	13.5

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0105872  
**Lab Number** : **06067477**  
**Unique Number** : 10844154  
**Test Package** : FLEET

**Transervice - Shop 1361 - Berkeley-Windsor**  
 4400 State Road 19  
 Windsor, WI  
 US 53598  
 Contact: Mike Hurda  
 mhurda@transervice.com  
 T: (608)846-2726  
 F: (608)846-0389

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)