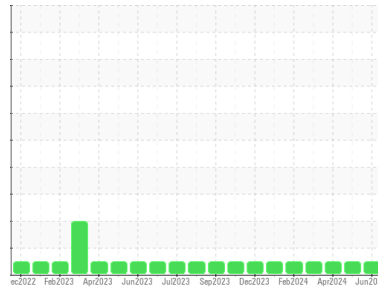


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**(TEMP) Walgreens - Yard Horse**  
 Machine Id  
**[Walgreens - Yard Horse] 136A81260**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 15W40 (11 QTS)**

## 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 acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0128587</b>	PCA0118756	PCA0118780
Sample Date	Client Info	<b>14 Jun 2024</b>	17 May 2024	17 Apr 2024
Machine Age	hrs Client Info	<b>9925</b>	9721	9422
Oil Age	hrs Client Info	<b>503</b>	299	481
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
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 >90	<b>12</b>	11	8
Chromium	ppm ASTM D5185m >20	<b>&lt;1</b>	1	<1
Nickel	ppm ASTM D5185m >2	<b>1</b>	2	0
Titanium	ppm ASTM D5185m >2	<b>&lt;1</b>	<1	0
Silver	ppm ASTM D5185m >2	<b>0</b>	<1	0
Aluminum	ppm ASTM D5185m >20	<b>2</b>	3	<1
Lead	ppm ASTM D5185m >40	<b>0</b>	<1	0
Copper	ppm ASTM D5185m >330	<b>4</b>	<1	0
Tin	ppm ASTM D5185m >15	<b>0</b>	1	0
Vanadium	ppm ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 0	<b>&lt;1</b>	0	5
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 60	<b>58</b>	84	59
Manganese	ppm ASTM D5185m 0	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m 1010	<b>963</b>	1367	984
Calcium	ppm ASTM D5185m 1070	<b>1051</b>	1459	1067
Phosphorus	ppm ASTM D5185m 1150	<b>1046</b>	1302	1052
Zinc	ppm ASTM D5185m 1270	<b>1289</b>	1769	1238
Sulfur	ppm ASTM D5185m 2060	<b>2955</b>	4384	3526

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>3</b>	4	0
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	2	2
Potassium	ppm ASTM D5185m >20	<b>5</b>	3	0
Fuel	% ASTM D3524 >3.0	<b>&lt;1.0</b>	<1.0	<1.0

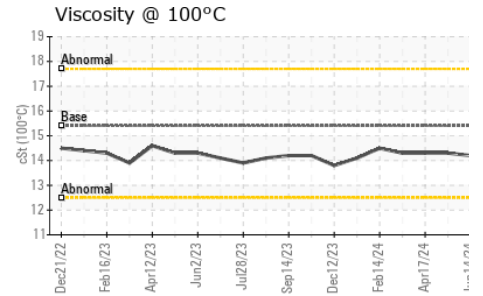
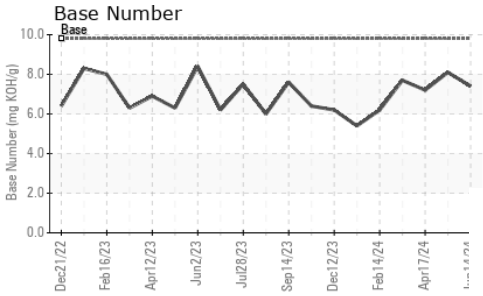
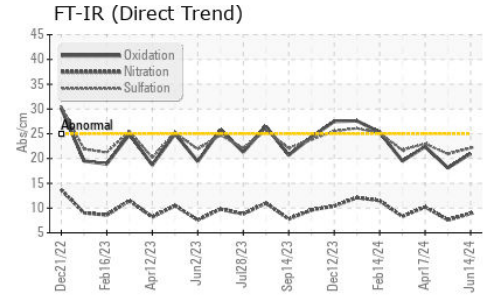
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >6	<b>0.8</b>	0.6	1.1
Nitration	Abs/cm *ASTM D7624 >20	<b>8.9</b>	7.6	10.2
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>22.1</b>	20.9	23.0

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>21.0</b>	18.1	22.4
Base Number (BN)	mg KOH/g ASTM D2896 9.8	<b>7.4</b>	8.1	7.2

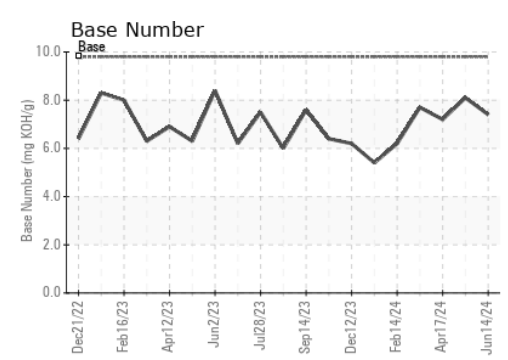
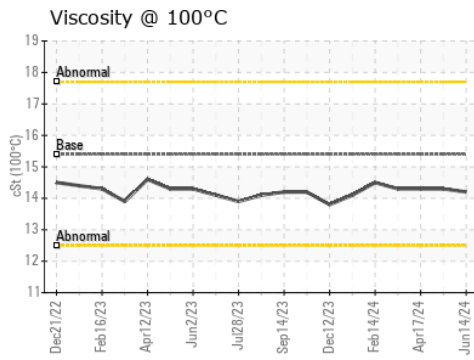
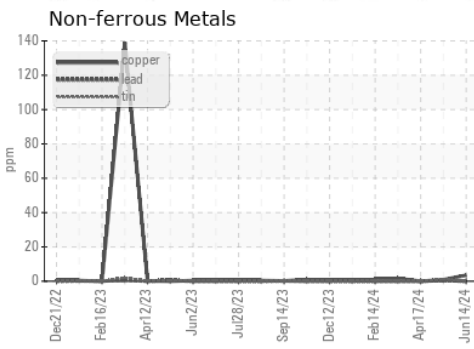
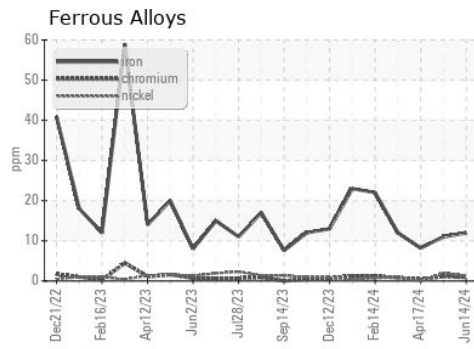
# OIL ANALYSIS REPORT



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	15.4	14.2	14.3

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0128587      **Received** : 20 Jun 2024  
**Lab Number** : 06216421      **Tested** : 23 Jun 2024  
**Unique Number** : 11089285      **Diagnosed** : 23 Jun 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**Transervice - Shop 1364 - Berkeley-Mt. Vernon**  
 5100 Lake Terrace NE  
 Mt. Vernon, IL  
 US 62864  
 Contact: Erien White  
 ewhite@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)