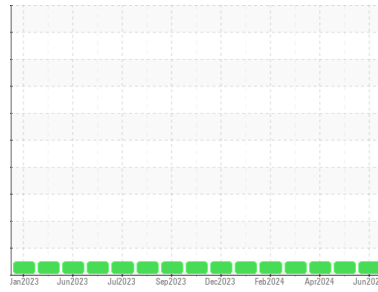


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(TEMP) Walgreens - Yard Horse**  
 Machine Id  
**[Walgreens - Yard Horse] 136A81259**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Top Up Amount: GAL )

#### 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>PCA0119131</b>	PCA0119125	PCA0105929
Sample Date	Client Info			<b>06 Jun 2024</b>	16 May 2024	05 Apr 2024
Machine Age	hrs	Client Info		<b>6029</b>	5939	5749
Oil Age	hrs	Client Info		<b>500</b>	200	200
Oil Changed	Client Info			<b>Changed</b>	Oil Added	Oil Added
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>23</b>	21	18
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m	>4	<b>2</b>	1	2
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	7	4
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>8</b>	4	4
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	<1

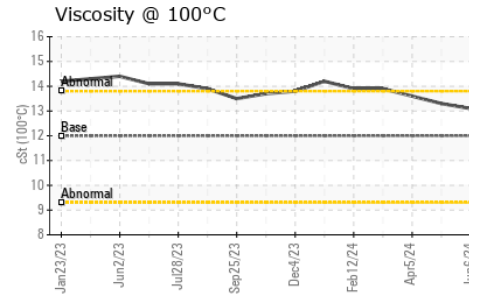
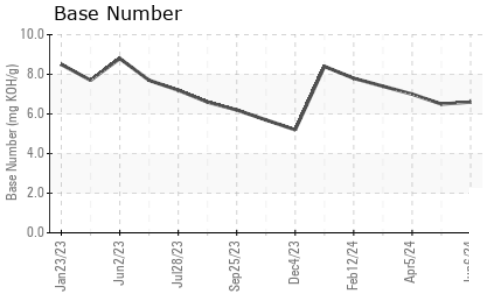
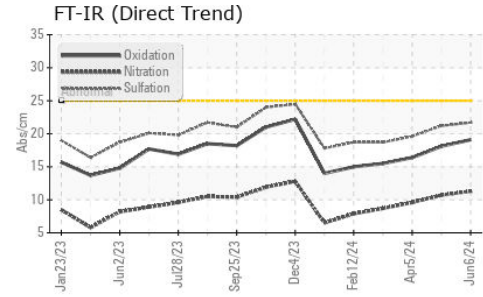
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>3</b>	0	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>61</b>	57	61
Manganese	ppm	ASTM D5185m	0	<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>1002</b>	929	926
Calcium	ppm	ASTM D5185m	1050	<b>1089</b>	1047	1071
Phosphorus	ppm	ASTM D5185m	995	<b>990</b>	983	1081
Zinc	ppm	ASTM D5185m	1180	<b>1312</b>	1188	1241
Sulfur	ppm	ASTM D5185m	2600	<b>3502</b>	3348	3242

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>5</b>	4	5
Sodium	ppm	ASTM D5185m		<b>4</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	10	6

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>1.1</b>	0.9	0.7
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.3</b>	10.7	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.7</b>	21.2	19.6

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.1</b>	18.1	16.4
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.6</b>	6.5	7.0

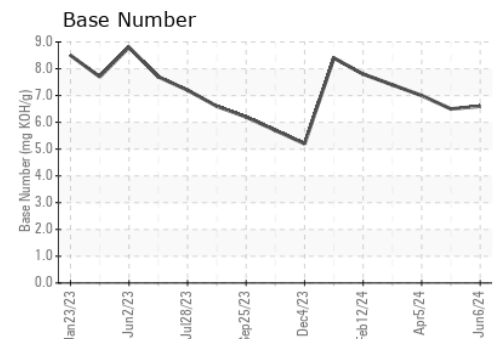
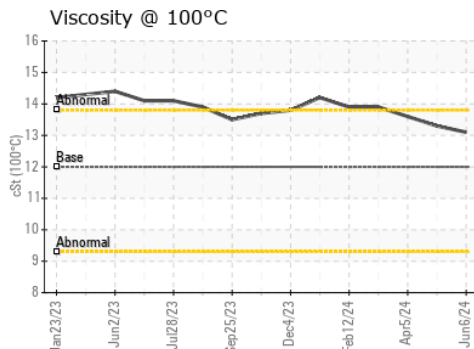
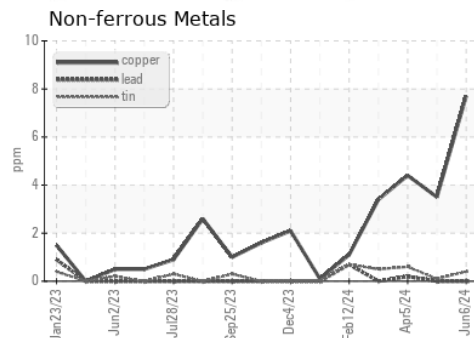
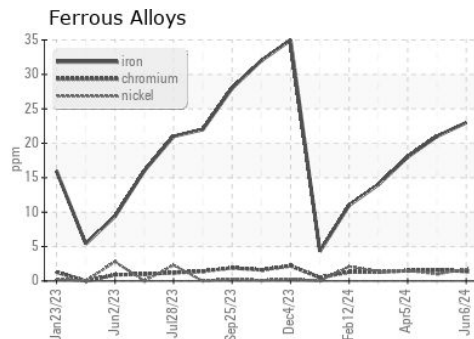
# OIL ANALYSIS REPORT



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>13.1</b>	13.3	13.6

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0119131      **Received** : 21 Jun 2024  
**Lab Number** : **06216720**      **Tested** : 24 Jun 2024  
**Unique Number** : 11089584      **Diagnosed** : 24 Jun 2024 - Sean Felton  
**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)