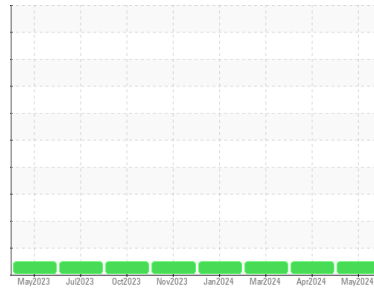


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(ZS1658) Walgreens - Yard Horse**  
 Machine Id  
**[Walgreens - Yard Horse] 136A81262**  
 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>PCA0122409</b>	PCA0122414	PCA0103662
Sample Date	Client Info			<b>10 May 2024</b>	01 Apr 2024	17 Mar 2024
Machine Age	hrs	Client Info		<b>7429</b>	7133	6901
Oil Age	hrs	Client Info		<b>602</b>	493	260
Oil Changed	Client Info			<b>Changed</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	>100	<b>12</b>	12	13
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>9</b>	17	16
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

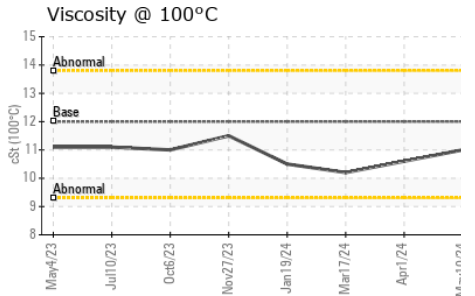
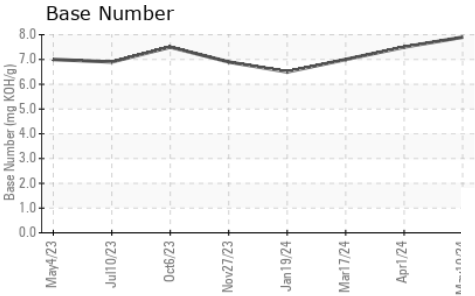
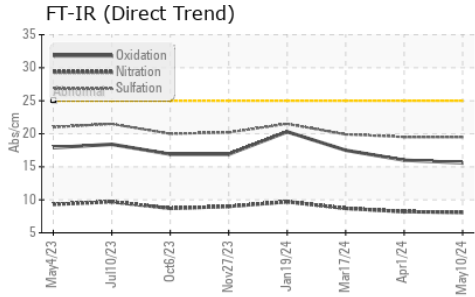
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>31</b>	54	36
Barium	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	50	<b>48</b>	45	40
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	950	<b>821</b>	728	672
Calcium	ppm	ASTM D5185m	1050	<b>1136</b>	1247	1321
Phosphorus	ppm	ASTM D5185m	995	<b>1028</b>	1002	963
Zinc	ppm	ASTM D5185m	1180	<b>1181</b>	1148	1145
Sulfur	ppm	ASTM D5185m	2600	<b>3697</b>	3490	3451

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>4</b>	5	4
Sodium	ppm	ASTM D5185m		<b>2</b>	<1	2
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	3	2

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.7</b>	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.1</b>	8.2	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.5</b>	19.5	19.9

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.6</b>	16.0	17.5
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.9</b>	7.5	7.0

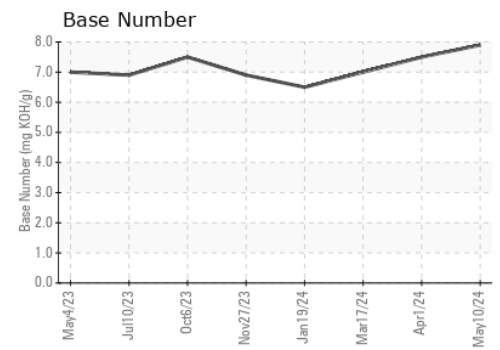
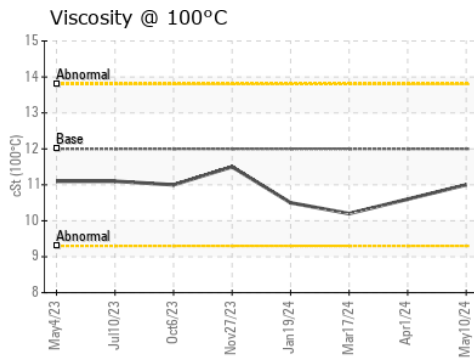
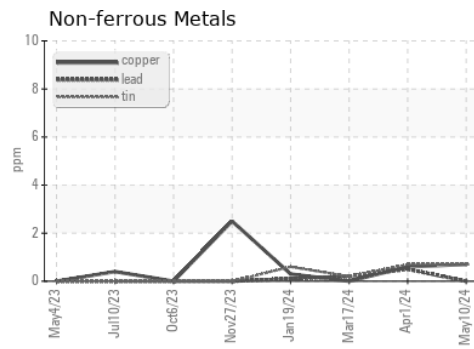
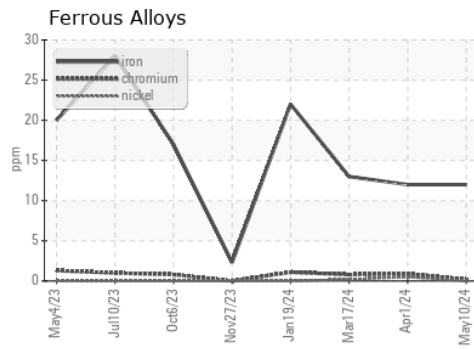
# OIL ANALYSIS REPORT



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	11.0	10.6

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122409      **Received** : 18 Jun 2024  
**Lab Number** : **06214127**      **Tested** : 20 Jun 2024  
**Unique Number** : 11086991      **Diagnosed** : 20 Jun 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1365 - Berkeley-Nazareth**  
 6813 Chrisphalt Drive  
 Bath Borough, PA  
 US 18014  
 Contact: Stephen Mackes  
 smackes@transervice.com  
 T: (610)837-8103  
 F: (610)837-8105

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)