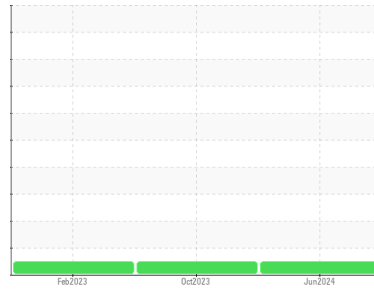


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(89670X) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A69091**  
 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>PCA0128230</b>	PCA0106163	PCA0090858
Sample Date	Client Info		<b>27 Jun 2024</b>	18 Oct 2023	28 Feb 2023
Machine Age	mls	Client Info	<b>727627</b>	675850	617203
Oil Age	mls	Client Info	<b>51777</b>	57850	56698
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 >80	<b>48</b>	52	51
Chromium	ppm	ASTM D5185m >5	<b>2</b>	3	3
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>20</b>	22	22
Lead	ppm	ASTM D5185m >30	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >150	<b>5</b>	6	6
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>8</b>	6	6
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>61</b>	64	64
Manganese	ppm	ASTM D5185m 0	<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m 950	<b>906</b>	923	864
Calcium	ppm	ASTM D5185m 1050	<b>1255</b>	1141	1206
Phosphorus	ppm	ASTM D5185m 995	<b>1027</b>	1014	986
Zinc	ppm	ASTM D5185m 1180	<b>1246</b>	1246	1244
Sulfur	ppm	ASTM D5185m 2600	<b>3108</b>	2509	2986

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>9</b>	11	10
Sodium	ppm	ASTM D5185m	<b>9</b>	2	<1
Potassium	ppm	ASTM D5185m >20	<b>4</b>	3	2

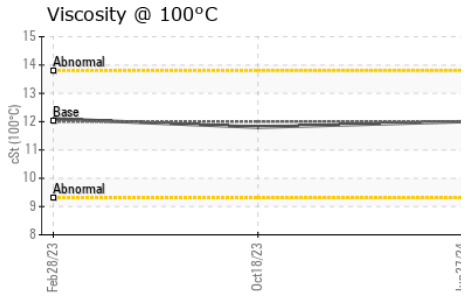
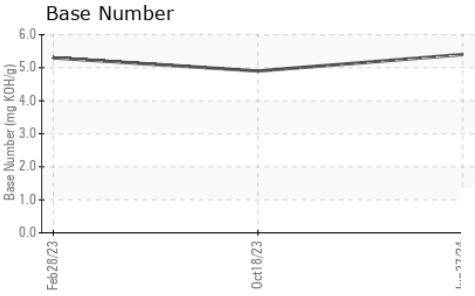
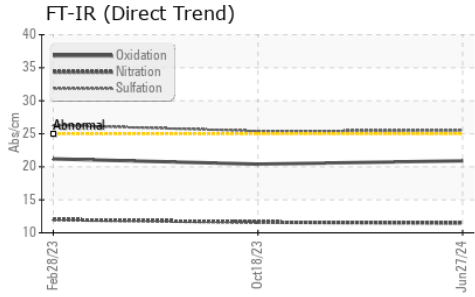
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>1.4</b>	1.6	1.6
Nitration	Abs/cm	*ASTM D7624 >20	<b>11.5</b>	11.6	12.0
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>25.5</b>	25.4	26.3

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>20.9</b>	20.4	21.2
Base Number (BN)	mg KOH/g	ASTM D2896	<b>5.4</b>	4.9	5.3

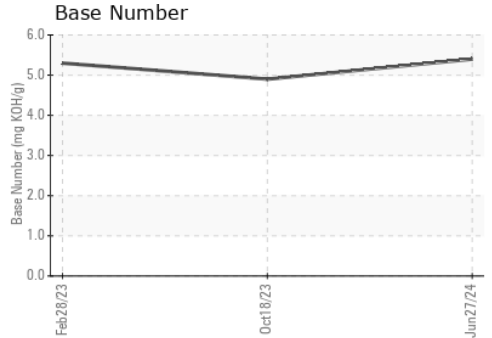
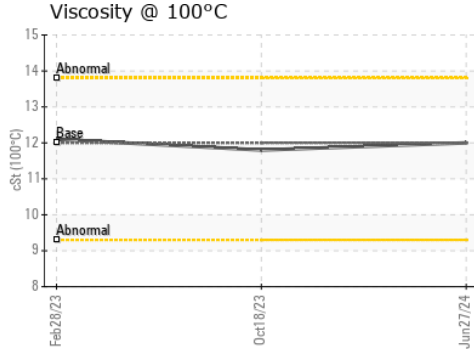
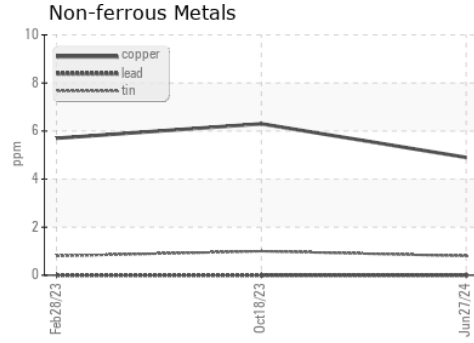
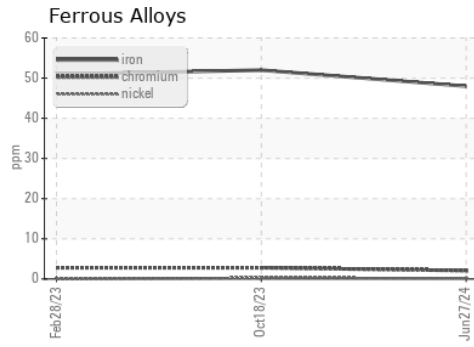
# OIL ANALYSIS REPORT



PARAMETER	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	12.0	11.8 12.1

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0128230      **Received** : 02 Jul 2024  
**Lab Number** : 06226873      **Tested** : 05 Jul 2024  
**Unique Number** : 11110366      **Diagnosed** : 05 Jul 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1373 - Berkeley-Anderson/Pendergrass**  
 101 Alliance Parkway  
 Willamston, SC  
 US 29697  
 Contact: Sonny Boucher  
 sboucher@transervice.com  
 T: (864)226-2304  
 F: (864)226-2329

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)