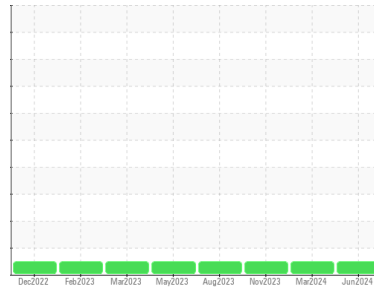


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(29051Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A62579**  
 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>PCA0128590</b>	PCA0118727	PCA0103757
Sample Date	Client Info		<b>13 Jun 2024</b>	05 Mar 2024	14 Nov 2023
Machine Age	mls	Client Info	<b>357168</b>	324957	294598
Oil Age	mls	Client Info	<b>32211</b>	60972	30613
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not 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 >80	<b>10</b>	13	10
Chromium	ppm	ASTM D5185m >5	<b>1</b>	2	1
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>3</b>	5	4
Lead	ppm	ASTM D5185m >30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >150	<b>4</b>	6	6
Tin	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</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>4</b>	0	0
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>62</b>	63	58
Manganese	ppm	ASTM D5185m 0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>968</b>	1065	951
Calcium	ppm	ASTM D5185m 1050	<b>1123</b>	1172	1028
Phosphorus	ppm	ASTM D5185m 995	<b>1031</b>	1073	1015
Zinc	ppm	ASTM D5185m 1180	<b>1313</b>	1377	1251
Sulfur	ppm	ASTM D5185m 2600	<b>2771</b>	2713	2743

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	4	5
Sodium	ppm	ASTM D5185m	<b>0</b>	2	2
Potassium	ppm	ASTM D5185m >20	<b>6</b>	8	5
Fuel	%	ASTM D3524 >5	<b>&lt;1.0</b>	<1.0	<1.0

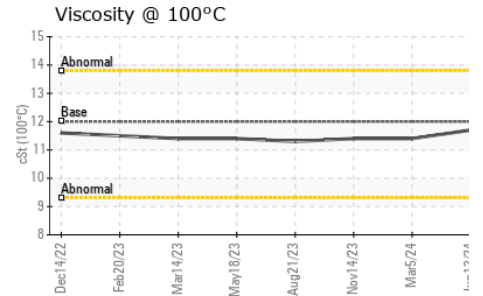
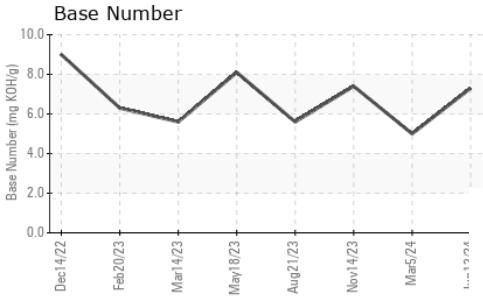
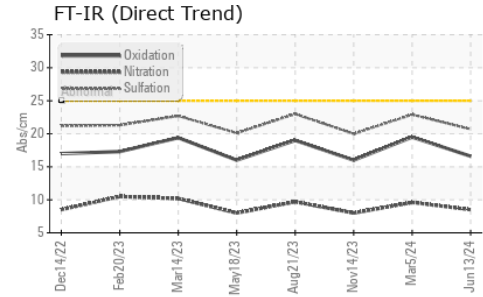
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.6</b>	0.9	0.5
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.5</b>	9.6	8.0
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>20.7</b>	22.9	20.0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.6</b>	19.5	16.0
Base Number (BN)	mg KOH/g	ASTM D2896	<b>7.3</b>	5.0	7.4

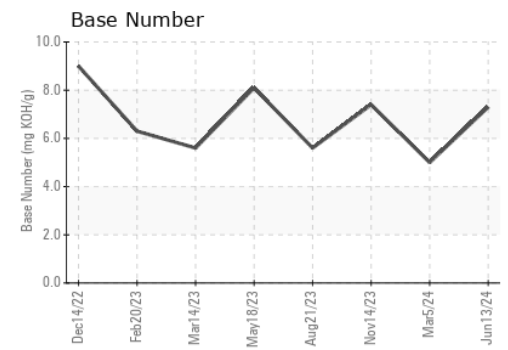
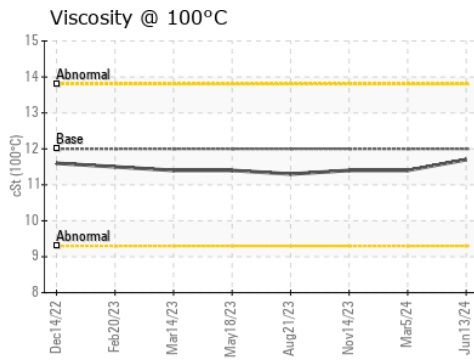
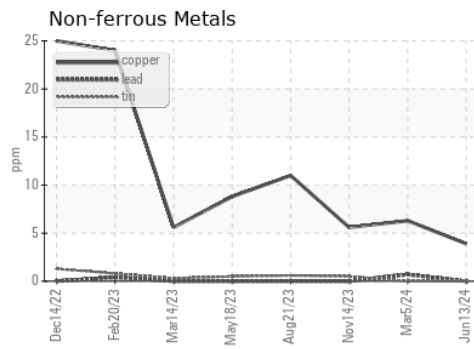
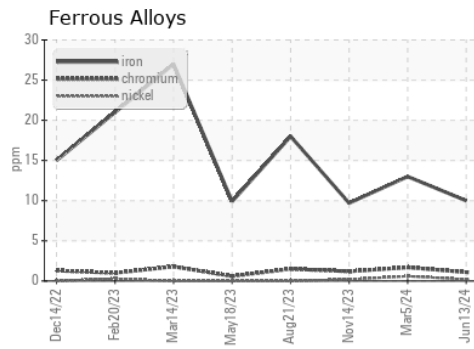
# OIL ANALYSIS REPORT



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>11.7</b>	11.4	11.4

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0128590      **Received** : 20 Jun 2024  
**Lab Number** : **06216425**      **Tested** : 23 Jun 2024  
**Unique Number** : 11089289      **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  
 T: (618)244-8726  
 F: (618)244-8791

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)