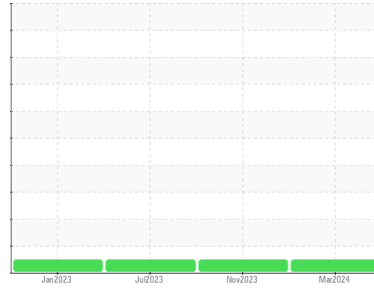


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(89739X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A67177**  
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>PCA0105879</b>	PCA0105910	PCA0091521
Sample Date	Client Info			<b>05 Mar 2024</b>	15 Nov 2023	03 Jul 2023
Machine Age	mls	Client Info		<b>601873</b>	591219	566439
Oil Age	mls	Client Info		<b>10654</b>	50000	30959
Oil Changed	Client Info			<b>N/A</b>	Changed	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	>110	<b>6</b>	9	5
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	4	2
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>85	<b>4</b>	8	2
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

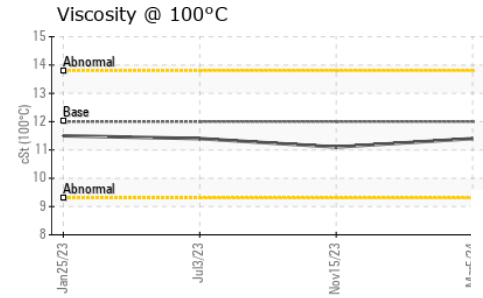
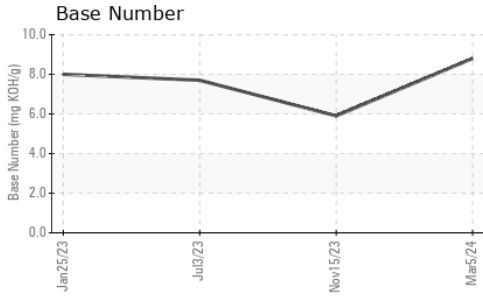
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>1</b>	2	3
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>62</b>	59	60
Manganese	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	950	<b>991</b>	894	864
Calcium	ppm	ASTM D5185m	1050	<b>1119</b>	1183	1123
Phosphorus	ppm	ASTM D5185m	995	<b>1082</b>	991	1020
Zinc	ppm	ASTM D5185m	1180	<b>1252</b>	1197	1191
Sulfur	ppm	ASTM D5185m	2600	<b>3435</b>	2291	3230

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	<b>5</b>	7	4
Sodium	ppm	ASTM D5185m		<b>2</b>	3	0
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	6	2

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.6</b>	9.6	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.9</b>	21.9	19.5

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.3</b>	18.8	16.8
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.8</b>	5.9	7.7

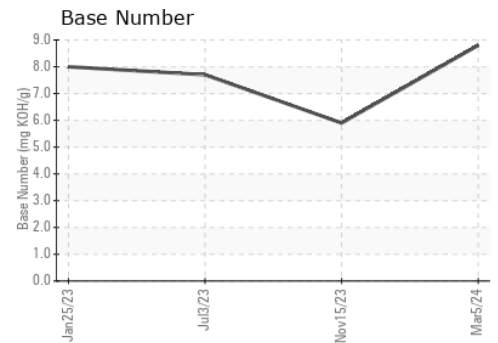
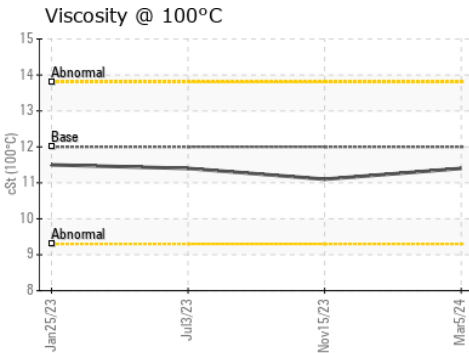
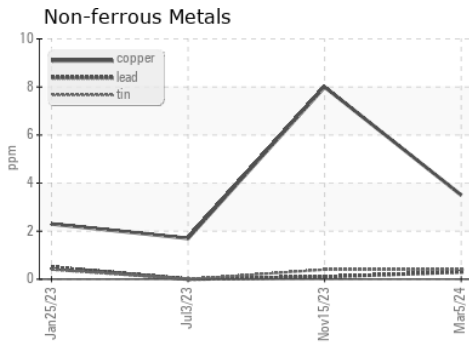
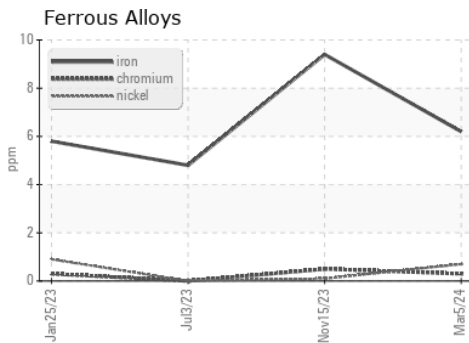
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.4</b>	11.1

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0105879  
**Lab Number** : **06120699**  
**Unique Number** : 10929532  
**Test Package** : FLEET

**Received** : 18 Mar 2024  
**Tested** : 19 Mar 2024  
**Diagnosed** : 19 Mar 2024 - Wes Davis

**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)