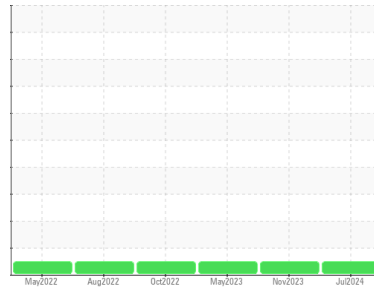


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(89666X) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A69087**  
 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>PCA0128234</b>	PCA0111793	PCA0097083
Sample Date	Client Info			<b>09 Jul 2024</b>	16 Nov 2023	24 May 2023
Machine Age	mls	Client Info		<b>772129</b>	717221	657936
Oil Age	mls	Client Info		<b>54908</b>	59785	73619
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>42</b>	36	43
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	2	3
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>30	<b>18</b>	17	22
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	2
Copper	ppm	ASTM D5185m	>150	<b>6</b>	4	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

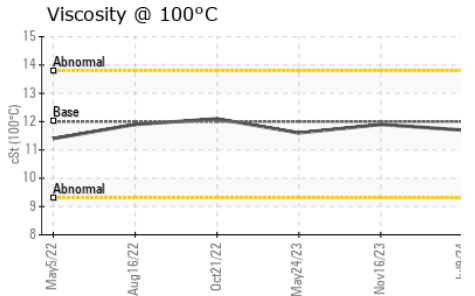
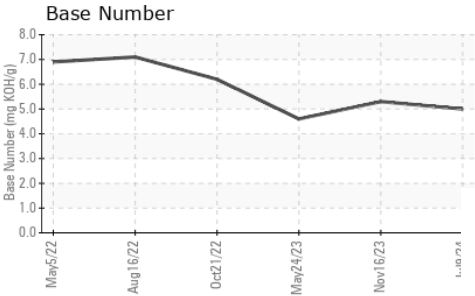
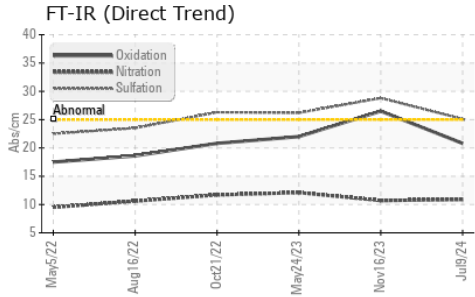
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>4</b>	3	3
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>63</b>	58	65
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m	950	<b>884</b>	855	932
Calcium	ppm	ASTM D5185m	1050	<b>1147</b>	1026	1183
Phosphorus	ppm	ASTM D5185m	995	<b>1039</b>	1016	1020
Zinc	ppm	ASTM D5185m	1180	<b>1198</b>	1163	1288
Sulfur	ppm	ASTM D5185m	2600	<b>2992</b>	2563	3040

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>8</b>	8	8
Sodium	ppm	ASTM D5185m		<b>4</b>	4	3
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	4	3

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>1.2</b>	1.2	1.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.9</b>	10.7	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.1</b>	28.8	26.2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>20.8</b>	26.5	22.0
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.0</b>	5.3	4.6

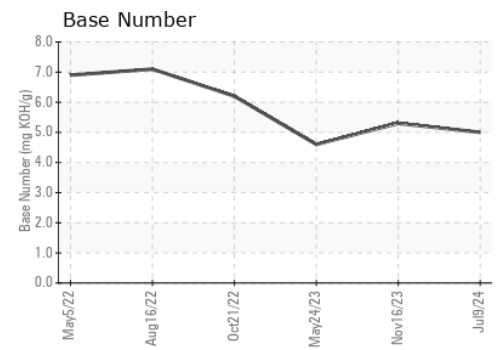
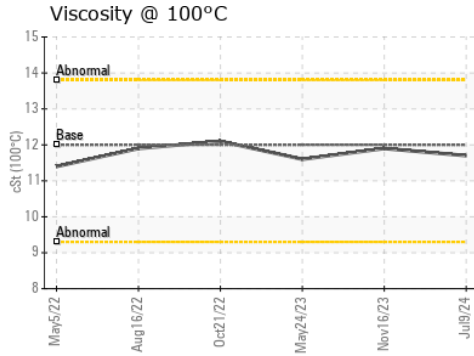
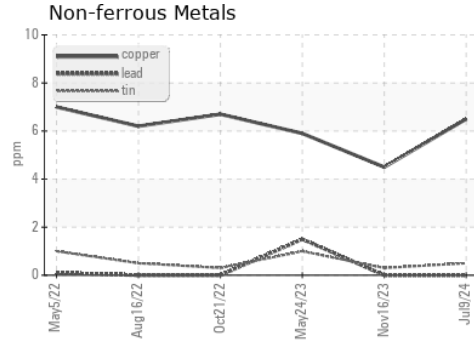
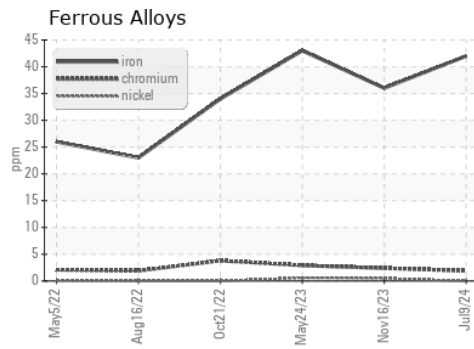
# OIL ANALYSIS REPORT



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	11.7	11.9

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0128234      **Received** : 15 Jul 2024  
**Lab Number** : 06235362      **Tested** : 15 Jul 2024  
**Unique Number** : 11124196      **Diagnosed** : 15 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)