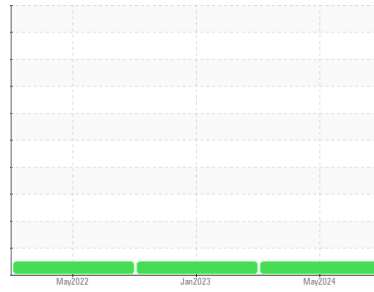


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(89729X) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A67205**  
 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>PCA0123386</b>	PCA0090884	PCA0075512
Sample Date	Client Info			<b>06 May 2024</b>	12 Jan 2023	19 May 2022
Machine Age	mls Client Info			<b>446061</b>	401343	377897
Oil Age	mls Client Info			<b>44718</b>	23446	19135
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	>110	<b>19</b>	12	10
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>2</b>	3	1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	3	3
Lead	ppm	ASTM D5185m	>45	<b>0</b>	1	<1
Copper	ppm	ASTM D5185m	>85	<b>5</b>	6	8
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

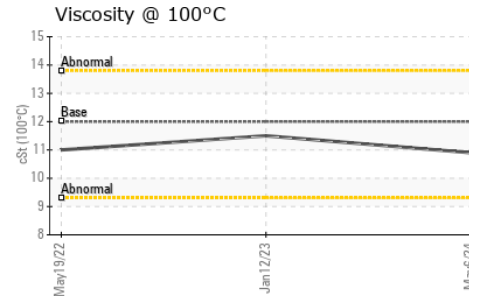
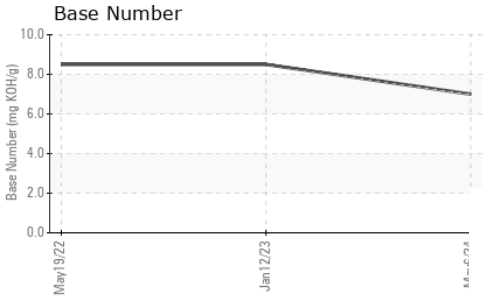
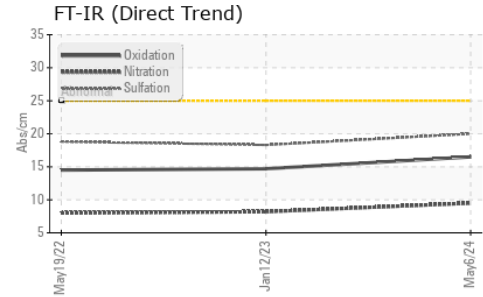
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>3</b>	4	9
Barium	ppm	ASTM D5185m	0	<b>1</b>	4	0
Molybdenum	ppm	ASTM D5185m	50	<b>65</b>	58	65
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>892</b>	842	859
Calcium	ppm	ASTM D5185m	1050	<b>1063</b>	1017	1071
Phosphorus	ppm	ASTM D5185m	995	<b>1019</b>	915	977
Zinc	ppm	ASTM D5185m	1180	<b>1181</b>	1161	1187
Sulfur	ppm	ASTM D5185m	2600	<b>3305</b>	3178	2962

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	<b>4</b>	4	4
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	2

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.5</b>	8.2	8.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.0</b>	18.3	18.8

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.5</b>	14.7	14.5
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.0</b>	8.5	8.5

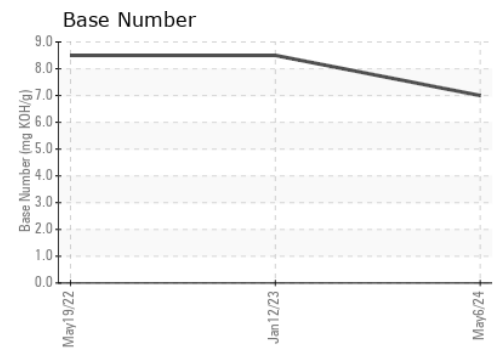
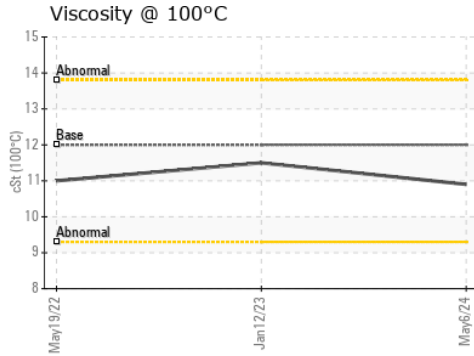
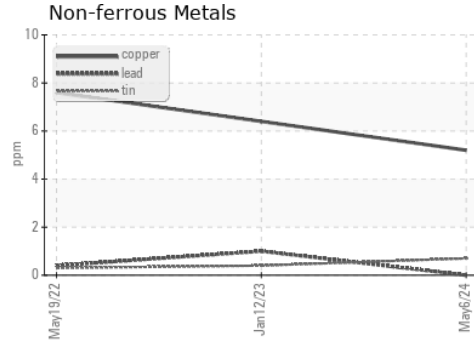
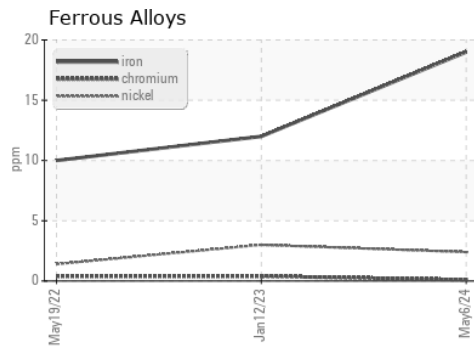
# OIL ANALYSIS REPORT



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	10.9	11.5

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0123386      **Received** : 14 May 2024  
**Lab Number** : 06178447      **Tested** : 14 May 2024  
**Unique Number** : 11029773      **Diagnosed** : 14 May 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)