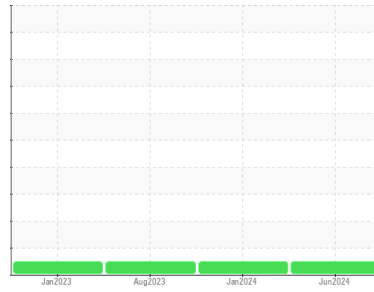


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(37349Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A62516**  
 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>PCA0127120</b>	PCA0115815	PCA0101910
Sample Date	Client Info			<b>12 Jun 2024</b>	31 Jan 2024	22 Aug 2023
Machine Age	mls	Client Info		<b>227225</b>	206554	149998
Oil Age	mls	Client Info		<b>30000</b>	50000	46854
Oil Changed	Client Info			<b>Not Chngd</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>	35	29
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
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>	10	10
Lead	ppm	ASTM D5185m	>45	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>85	<b>4</b>	4	4
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

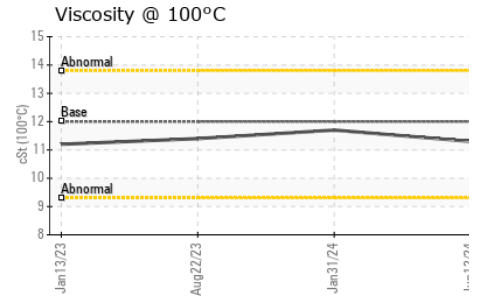
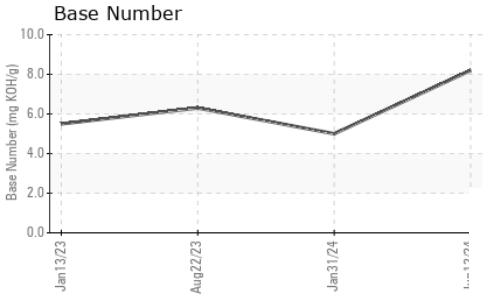
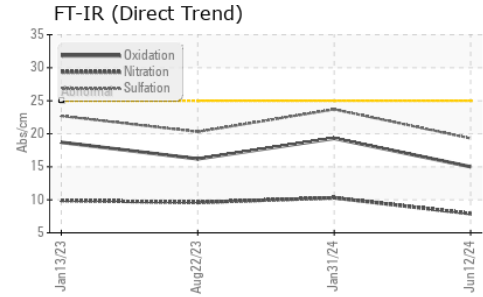
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>2</b>	<1	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>60</b>	54	65
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>968</b>	917	981
Calcium	ppm	ASTM D5185m	1050	<b>1139</b>	1215	1129
Phosphorus	ppm	ASTM D5185m	995	<b>1039</b>	1018	1047
Zinc	ppm	ASTM D5185m	1180	<b>1243</b>	1254	1312
Sulfur	ppm	ASTM D5185m	2600	<b>3573</b>	2727	3448

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	<b>6</b>	8	6
Sodium	ppm	ASTM D5185m		<b>2</b>	1	2
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	17	25

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.4</b>	0.7	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.9</b>	10.3	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.3</b>	23.7	20.3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.0</b>	19.3	16.2
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.2</b>	5.0	6.3

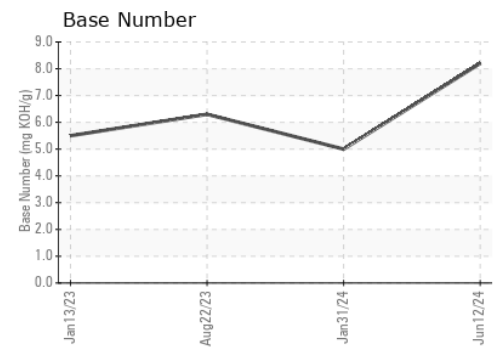
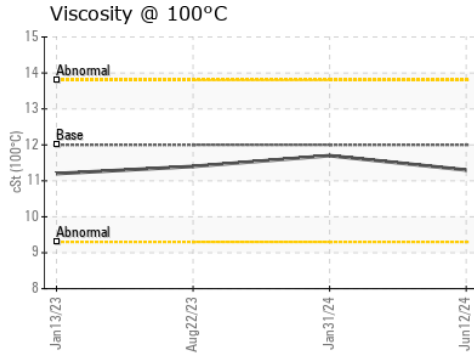
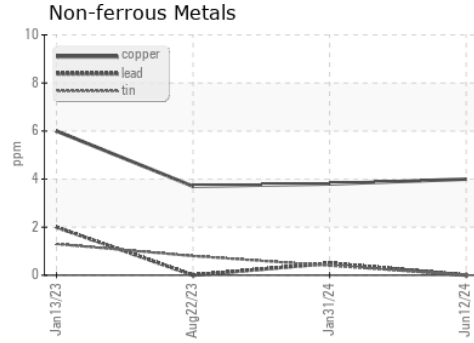
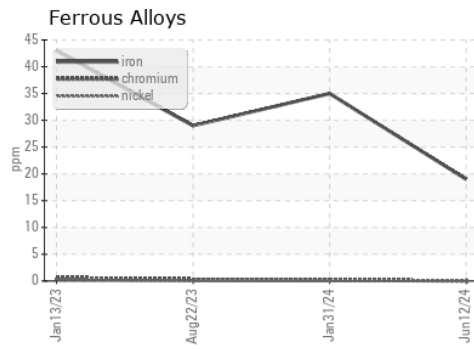
# OIL ANALYSIS REPORT



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	11.3	11.7

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0127120      **Received** : 15 Jul 2024  
**Lab Number** : 06235420      **Tested** : 15 Jul 2024  
**Unique Number** : 11124254      **Diagnosed** : 15 Jul 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1370 - Berkeley-Perrysburg**  
 28727 Oregon Road  
 Perrysburg, OH  
 US 43551  
 Contact: Curtis Hart  
 chart@transervice.com  
 T: (419)666-3277  
 F: (419)666-3279

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)