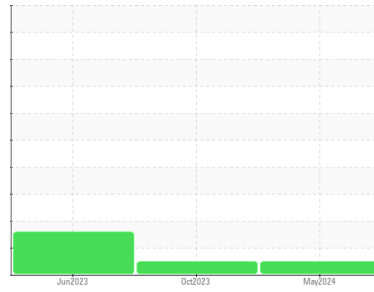


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(50935Z)**  
Machine Id  
**136A63254**  
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>PCA0119313</b>	PCA0105691	PCA0099949
Sample Date	Client Info			<b>31 May 2024</b>	25 Oct 2023	19 Jun 2023
Machine Age	mls	Client Info		<b>166004</b>	116303	0
Oil Age	mls	Client Info		<b>0</b>	50000	50000
Oil Changed	Client Info			<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

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>47</b>	52	▲ 83
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	3	▲ 6
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>30	<b>12</b>	27	64
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>150	<b>45</b>	39	107
Tin	ppm	ASTM D5185m	>5	<b>1</b>	2	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

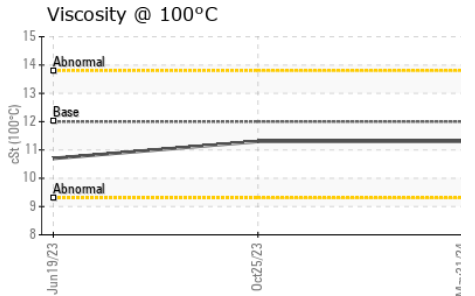
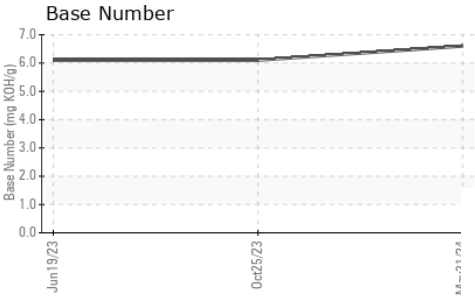
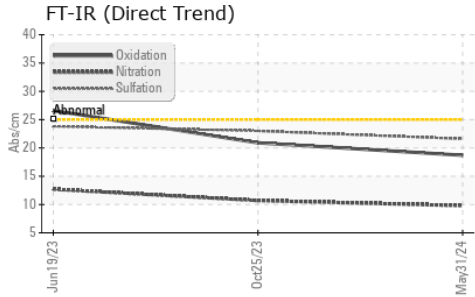
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>8</b>	7	25
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>61</b>	57	50
Manganese	ppm	ASTM D5185m	0	<b>1</b>	2	5
Magnesium	ppm	ASTM D5185m	950	<b>895</b>	912	647
Calcium	ppm	ASTM D5185m	1050	<b>1161</b>	1172	1880
Phosphorus	ppm	ASTM D5185m	995	<b>932</b>	904	801
Zinc	ppm	ASTM D5185m	1180	<b>1214</b>	1163	1004
Sulfur	ppm	ASTM D5185m	2600	<b>2599</b>	2089	2387

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>6</b>	7	10
Sodium	ppm	ASTM D5185m		<b>3</b>	2	6
Potassium	ppm	ASTM D5185m	>20	<b>23</b>	70	164

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>1.1</b>	1.2	1
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.8</b>	10.7	12.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.6</b>	23.0	23.8

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.7</b>	20.9	26.6
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.6</b>	6.1	6.1

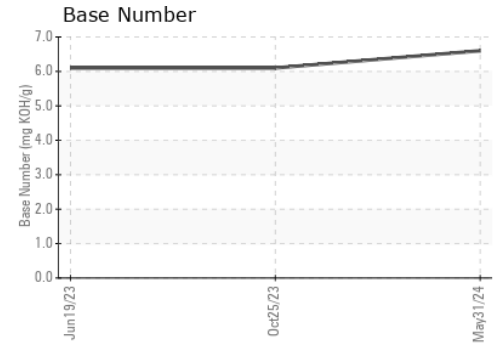
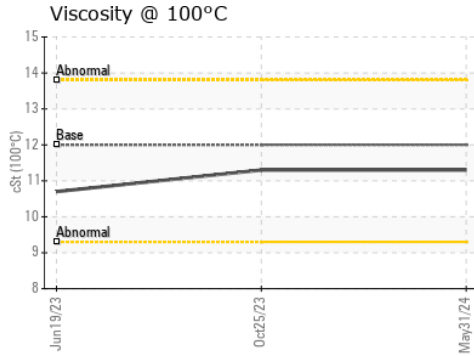
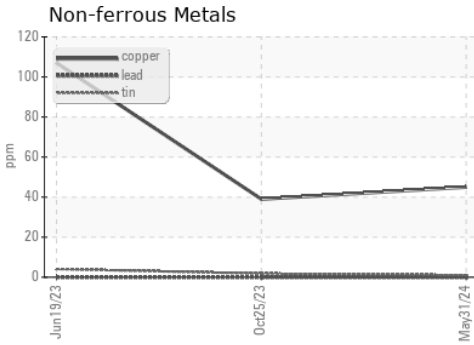
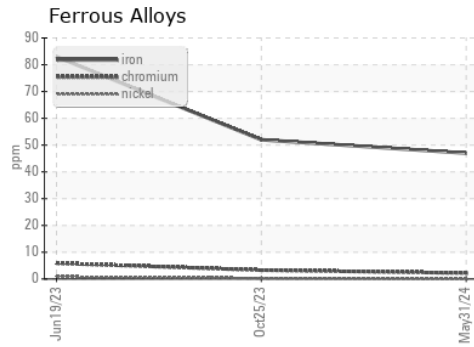
# OIL ANALYSIS REPORT



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	<b>11.3</b>	11.3	10.7

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0119313  
**Lab Number** : **06202532**  
**Unique Number** : 11069993  
**Test Package** : FLEET

**Received** : 07 Jun 2024  
**Tested** : 10 Jun 2024  
**Diagnosed** : 10 Jun 2024 - Wes Davis

**Transervice - Shop 1377 - Berkeley-Dayville**  
 68 Shepherd Hill Rd  
 Danielson, CT  
 US 06239

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)

Contact: Shop 1377 Oil Analysis  
 shop1377@transervice.com

T:  
F: