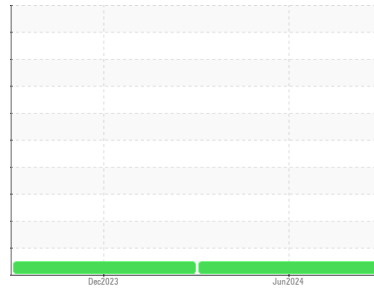


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**CHICAGO 95TH**  
 Machine Id  
**TAYLOR T650S 465-04 (S/N 33304)**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON HP 15W40 (--- 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>PCA0123854</b>	PCA0102692	---
Sample Date	Client Info		<b>22 Jun 2024</b>	29 Dec 2023	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>250</b>	1000	---
Oil Changed	Client Info		<b>N/A</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	WC Method		<b>NEG</b>	NEG	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>13</b>	11	---
Chromium	ppm	ASTM D5185m >20	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m >4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m >40	<b>0</b>	2	---
Copper	ppm	ASTM D5185m >330	<b>1</b>	<1	---
Tin	ppm	ASTM D5185m >15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>6</b>	3	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>63</b>	51	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>1028</b>	880	---
Calcium	ppm	ASTM D5185m	<b>1257</b>	1023	---
Phosphorus	ppm	ASTM D5185m	<b>1045</b>	1002	---
Zinc	ppm	ASTM D5185m	<b>1234</b>	1162	---
Sulfur	ppm	ASTM D5185m	<b>3332</b>	2657	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	3	---
Sodium	ppm	ASTM D5185m	<b>4</b>	2	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	---

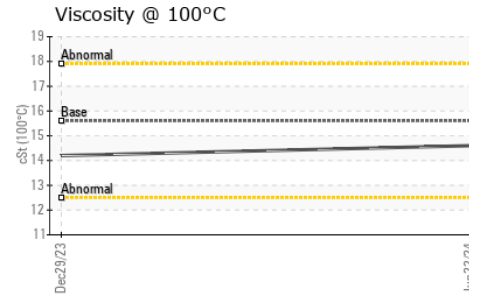
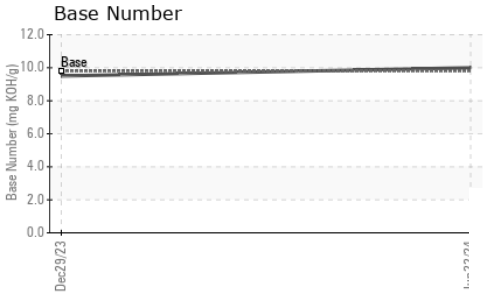
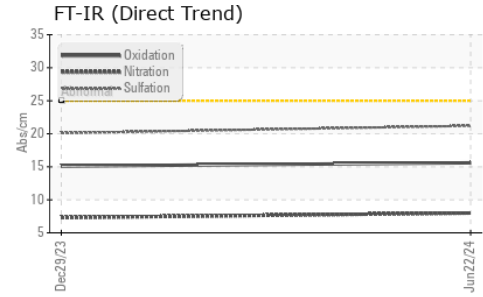
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.8</b>	0.7	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.0</b>	7.3	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>21.2</b>	20.1	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>15.6</b>	15.1	---
Base Number (BN)	mg KOH/g	ASTM D2896 9.8	<b>10.0</b>	9.5	---

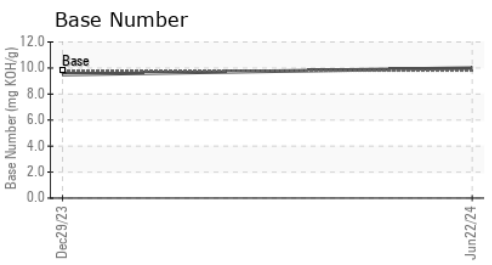
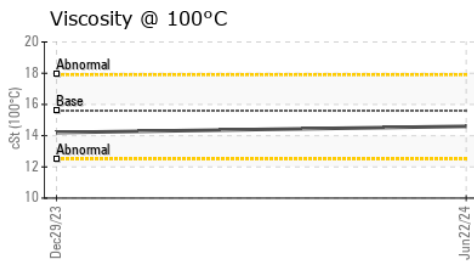
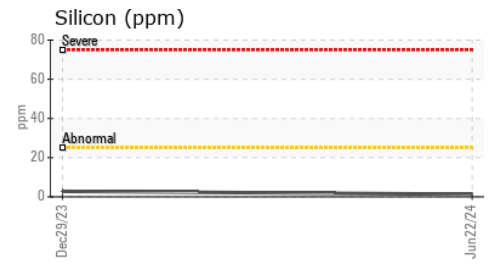
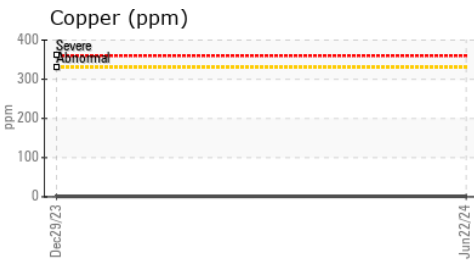
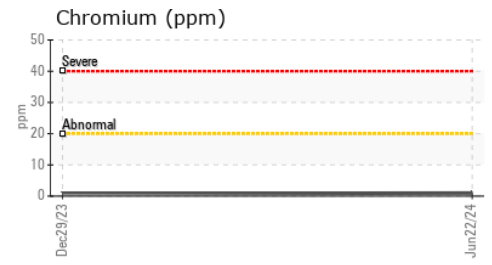
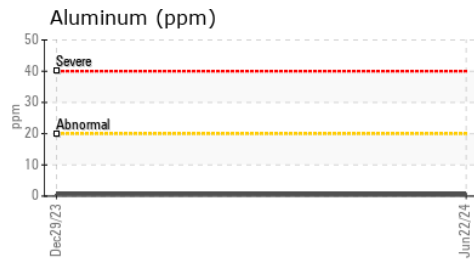
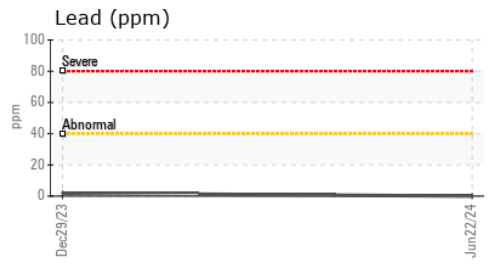
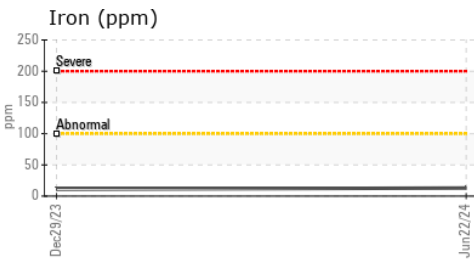
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.6	<b>14.6</b>	14.2	---

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0123854      **Received** : 05 Jul 2024  
**Lab Number** : **06228373**      **Tested** : 08 Jul 2024  
**Unique Number** : 11111866      **Diagnosed** : 08 Jul 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**NORTH AMERICAN STEVEDORING CO**  
 9301 S KREITER AVE  
 CHICAGO, IL  
 US 60617  
 Contact: PACO MARTINEZ  
 paco.martinez@qsl.com

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)