



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**030**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON UHP E6 10W40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DE0000525</b>	DE0000287	---
Sample Date		Client Info		<b>21 Jun 2024</b>	27 Sep 2023	---
Machine Age	mls	Client Info		<b>297293</b>	279583	---
Oil Age	mls	Client Info		<b>18000</b>	15000	---
Filter Age	mls	Client Info		<b>18000</b>	15000	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>39</b>	33	---
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Nickel	ppm	ASTM D5185m	>4	<b>1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>9</b>	7	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>4</b>	4	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

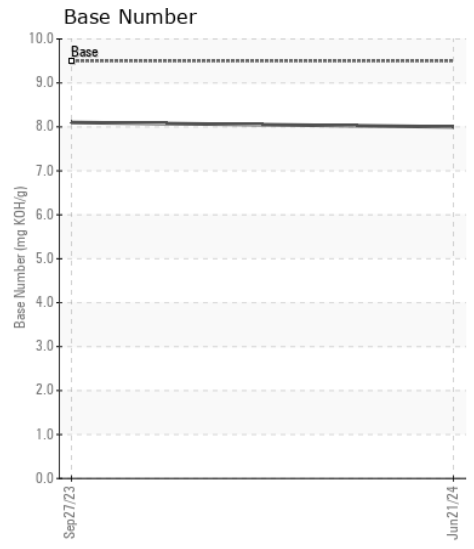
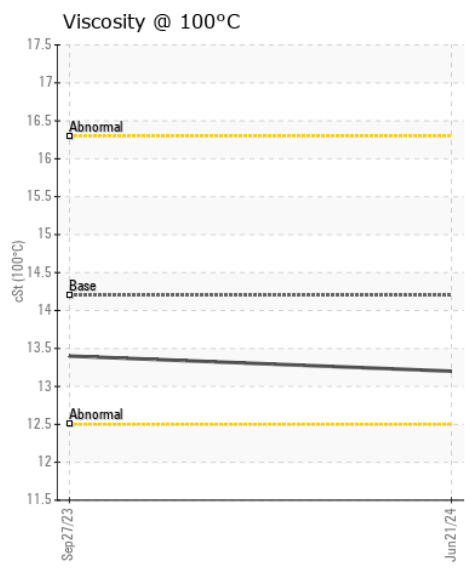
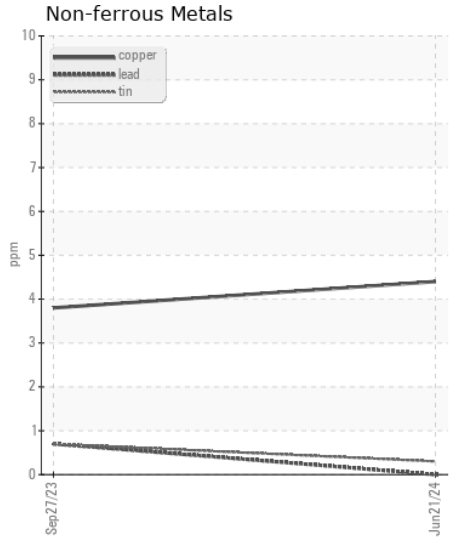
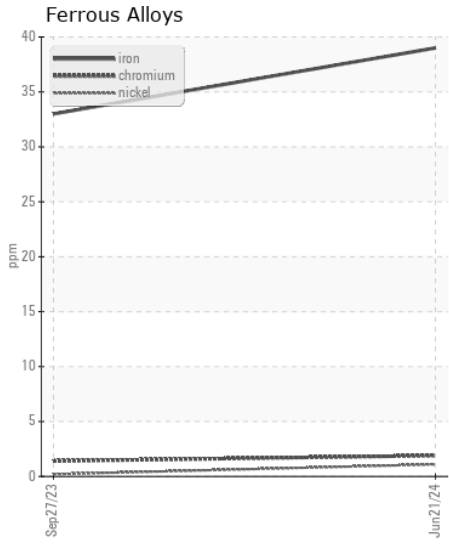
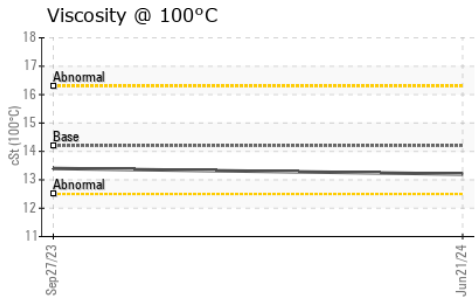
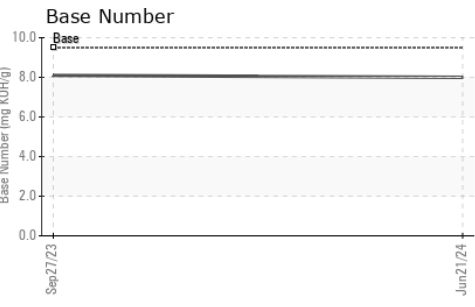
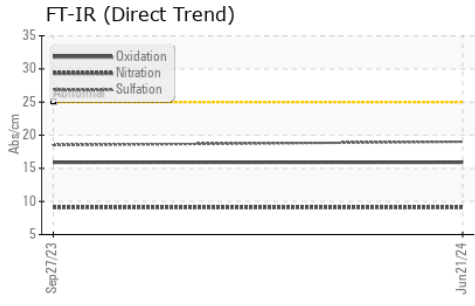
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>12</b>	30	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	6	---
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	---
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.1</b>	9.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.0</b>	18.5	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

### 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.

Sodium	ppm	ASTM D5185m		<b>2</b>	<1	---
Boron	ppm	ASTM D5185m	0	<b>5</b>	4	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>62</b>	64	---
Manganese	ppm	ASTM D5185m	0	<b>1</b>	<1	---
Magnesium	ppm	ASTM D5185m	80	<b>1029</b>	971	---
Calcium	ppm	ASTM D5185m	2400	<b>1132</b>	1105	---
Phosphorus	ppm	ASTM D5185m	750	<b>1089</b>	985	---
Zinc	ppm	ASTM D5185m	840	<b>1364</b>	1256	---
Sulfur	ppm	ASTM D5185m	2130	<b>3756</b>	3057	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.9</b>	15.9	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	<b>8.0</b>	8.1	---
Visc @ 100°C	cSt	ASTM D445	14.2	<b>13.2</b>	13.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DE0000525  
**Lab Number** : 06222981  
**Unique Number** : 11101178  
**Test Package** : FLEET

**Received** : 27 Jun 2024  
**Tested** : 28 Jun 2024  
**Diagnosed** : 28 Jun 2024 - Wes Davis

**Iroquois Bar Corp.**  
 155 Commerce Drive  
 Lacakwana, NY  
 US 14218  
 Contact: Denver Persinger  
 dpersinger@iroquoisbar.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)