



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

042

Component

Diesel Engine

Fluid

PETRO CANADA DURON UHP E6 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DE0000502	DE0000519	---
Sample Date		Client Info		20 Dec 2023	22 Aug 2023	---
Machine Age	mls	Client Info		122829	105013	---
Oil Age	mls	Client Info		17798	14751	---
Filter Age	mls	Client Info		17798	14751	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	23	20	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	4	4	---
Lead	ppm	ASTM D5185m	>40	0	0	---
Copper	ppm	ASTM D5185m	>330	1	2	---
Tin	ppm	ASTM D5185m	>15	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

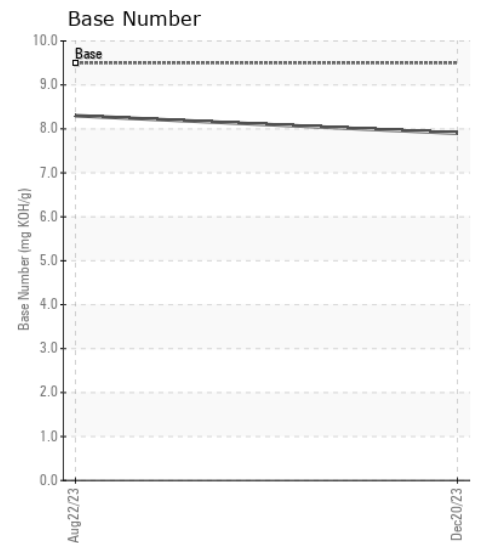
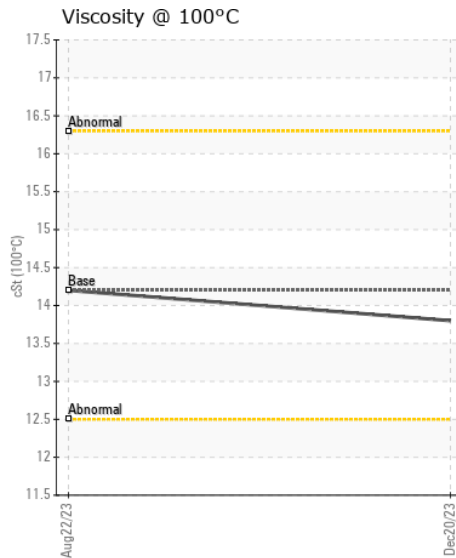
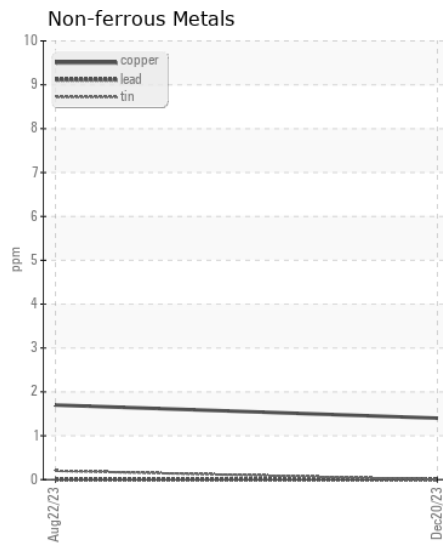
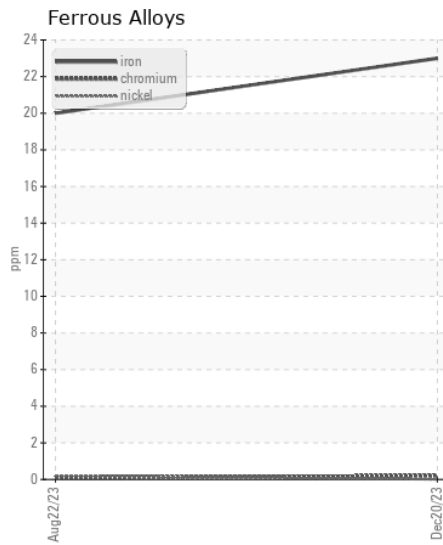
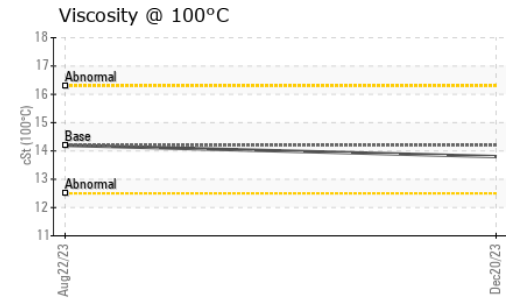
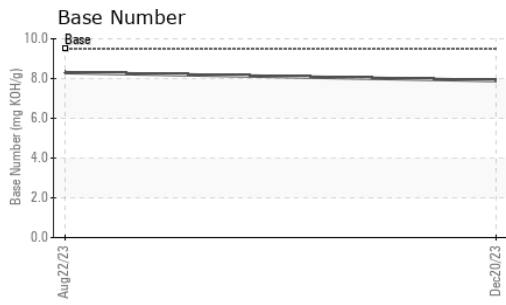
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	10	5	---
Potassium	ppm	ASTM D5185m	>20	8	9	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.7	0.7	---
Nitration	Abs/cm	*ASTM D7624	>20	9.2	9.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	19.7	---
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	---

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		0	0	---
Boron	ppm	ASTM D5185m	0	1	0	---
Barium	ppm	ASTM D5185m	0	0	2	---
Molybdenum	ppm	ASTM D5185m	0	63	60	---
Manganese	ppm	ASTM D5185m	0	0	0	---
Magnesium	ppm	ASTM D5185m	80	1028	916	---
Calcium	ppm	ASTM D5185m	2400	1137	1056	---
Phosphorus	ppm	ASTM D5185m	750	1054	930	---
Zinc	ppm	ASTM D5185m	840	1289	1199	---
Sulfur	ppm	ASTM D5185m	2130	3248	3734	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	16.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	7.9	8.3	---
Visc @ 100°C	cSt	ASTM D445	14.2	13.8	14.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DE0000502 **Received** : 12 Jan 2024
Lab Number : 06059901 **Diagnosed** : 16 Jan 2024
Unique Number : 10831283 **Diagnostician** : Wes Davis
Test Package : FLEET

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)

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F: