



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

33

Component

Natural Gas Engine

Fluid

PETRO CANADA DURON UHP 0W40 (--- 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		DE0000482	DE0000574	---
Sample Date		Client Info		21 May 2024	09 Apr 2024	---
Machine Age	mls	Client Info		29392	29063	---
Oil Age	mls	Client Info		7000	0	---
Filter Age	mls	Client Info		7000	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	48	28	---
Chromium	ppm	ASTM D5185m	>4	1	3	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	<1	<1	---
Aluminum	ppm	ASTM D5185m	>9	6	8	---
Lead	ppm	ASTM D5185m	>30	1	0	---
Copper	ppm	ASTM D5185m	>35	14	51	---
Tin	ppm	ASTM D5185m	>4	2	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

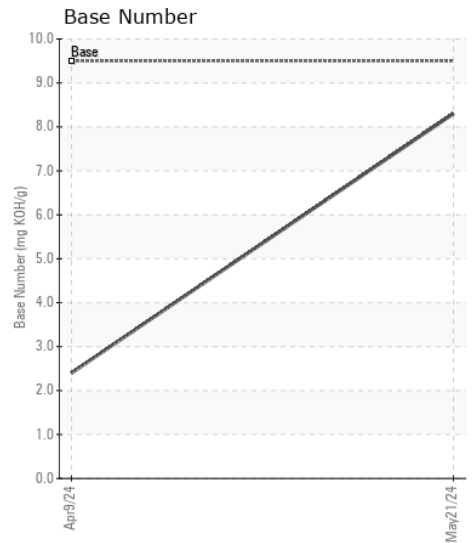
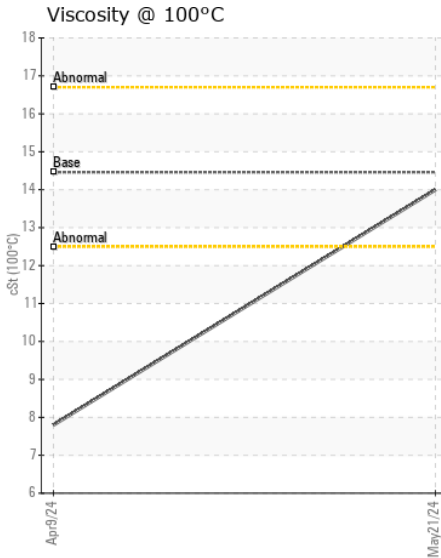
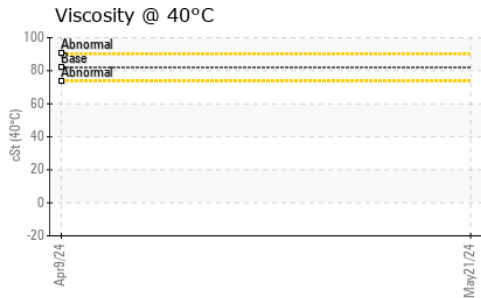
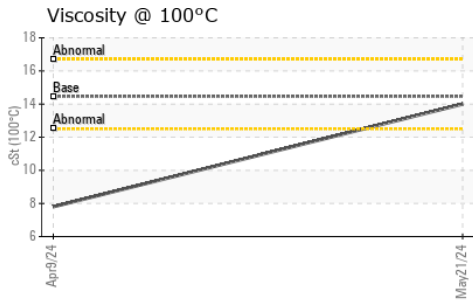
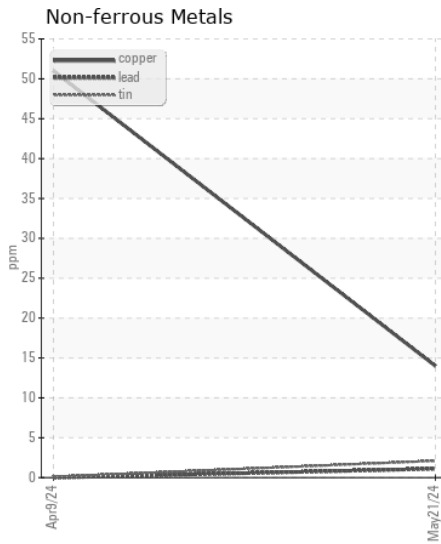
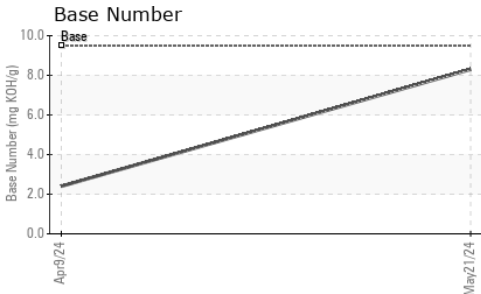
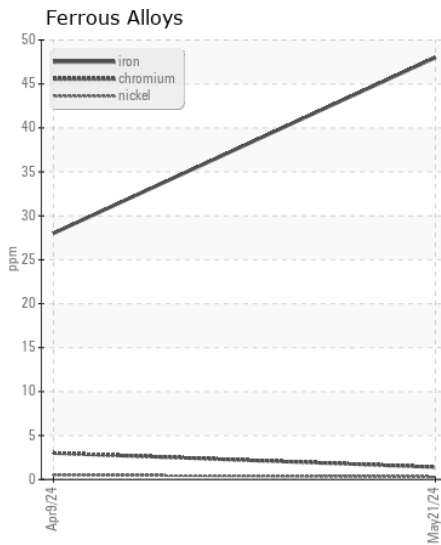
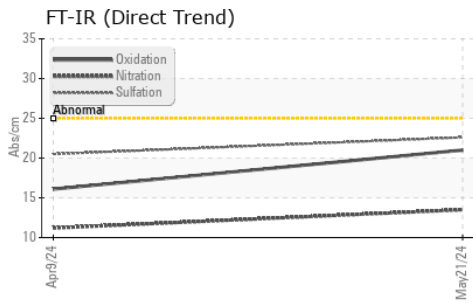
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	145	29	---
Potassium	ppm	ASTM D5185m	>20	16	3	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	*ASTM D7844		0.8	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	13.5	11.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	20.5	---
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	>0.1	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		2	5	---
Boron	ppm	ASTM D5185m	2	7	31	---
Barium	ppm	ASTM D5185m	0	<1	3	---
Molybdenum	ppm	ASTM D5185m	60	60	320	---
Manganese	ppm	ASTM D5185m	0	<1	9	---
Magnesium	ppm	ASTM D5185m	1010	870	606	---
Calcium	ppm	ASTM D5185m	1070	1197	1523	---
Phosphorus	ppm	ASTM D5185m	1150	1136	812	---
Zinc	ppm	ASTM D5185m	1270	1286	983	---
Sulfur	ppm	ASTM D5185m	2060	3106	2567	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.0	16.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	8.3	▲ 2.4	---
Visc @ 100°C	cSt	ASTM D445	14.46	14.0	7.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DE0000482 **Received** : 28 Jun 2024
Lab Number : 06224184 **Tested** : 01 Jul 2024
Unique Number : 11102381 **Diagnosed** : 01 Jul 2024 - Angela Borella
Test Package : FLEET (Additional Tests: KV40)

Iroquois Bar Corp.
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 Lacakwanna, NY
 US 14218
 Contact: Denver Persinger
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 T:
 F:

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)