



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
038
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DE0000500	DE0000506	---
Sample Date		Client Info		24 May 2024	01 Feb 2024	---
Machine Age	mls	Client Info		199313	183468	---
Oil Age	mls	Client Info		199313	15271	---
Filter Age	mls	Client Info		199313	15271	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	24	20	---
Chromium	ppm	ASTM D5185m	>20	<1	0	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	6	6	---
Lead	ppm	ASTM D5185m	>40	0	0	---
Copper	ppm	ASTM D5185m	>330	2	1	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

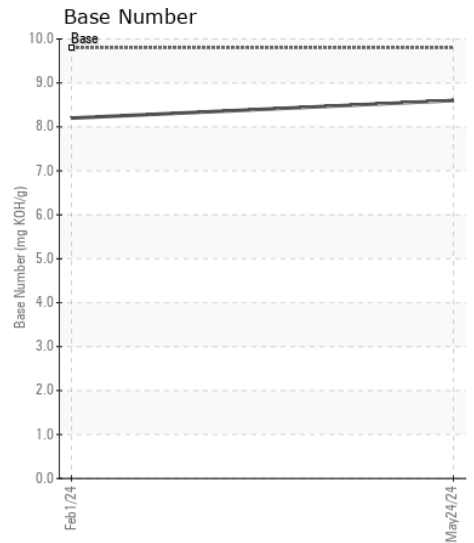
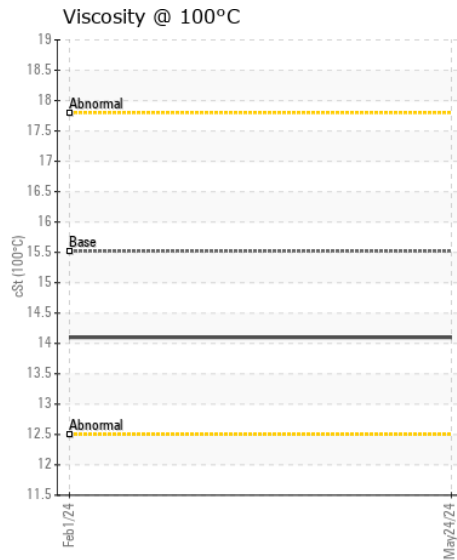
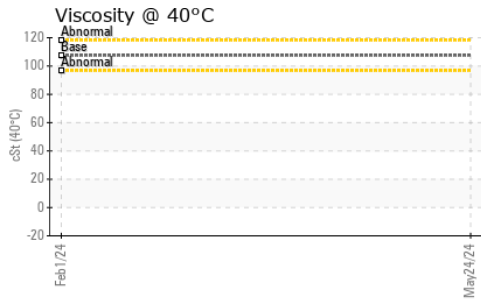
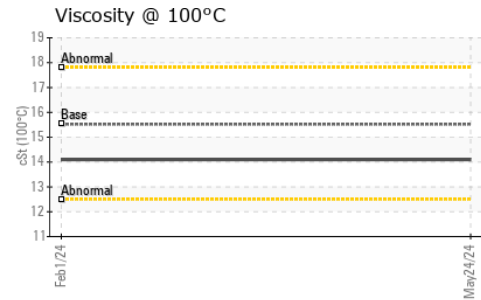
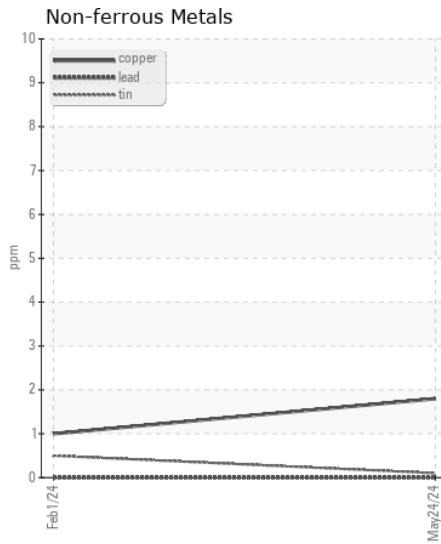
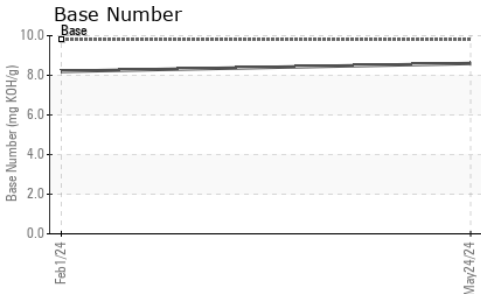
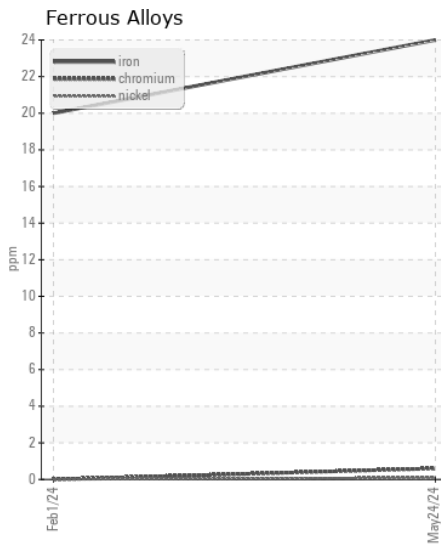
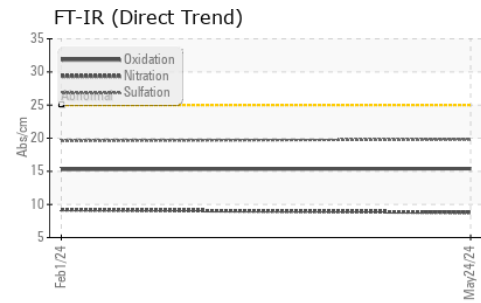
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	8	5	---
Potassium	ppm	ASTM D5185m	>20	7	6	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.8	0.8	---
Nitration	Abs/cm	*ASTM D7624	>20	8.8	9.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.6	---
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		1	<1	---
Boron	ppm	ASTM D5185m	2	4	5	---
Barium	ppm	ASTM D5185m	0	<1	0	---
Molybdenum	ppm	ASTM D5185m	60	62	59	---
Manganese	ppm	ASTM D5185m	0	<1	<1	---
Magnesium	ppm	ASTM D5185m	1010	1029	967	---
Calcium	ppm	ASTM D5185m	1070	1144	1034	---
Phosphorus	ppm	ASTM D5185m	1150	1181	1021	---
Zinc	ppm	ASTM D5185m	1270	1337	1247	---
Sulfur	ppm	ASTM D5185m	2060	3208	3450	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	15.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.6	8.2	---
Visc @ 100°C	cSt	ASTM D445	15.52	14.1	14.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DE0000500 **Received** : 28 Jun 2024
Lab Number : 06224196 **Tested** : 01 Jul 2024
Unique Number : 11102393 **Diagnosed** : 01 Jul 2024 - Angela Borella
Test Package : FLEET (Additional Tests: KV40)

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