



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
021
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		DE0000526	DE0000619	---
Sample Date		Client Info		11 Jun 2024	17 Nov 2023	---
Machine Age	mls	Client Info		747125	732495	---
Oil Age	mls	Client Info		15000	15000	---
Filter Age	mls	Client Info		15000	15000	---
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	>165	22	19	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m	>2	<1	0	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	4	2	---
Lead	ppm	ASTM D5185m	>150	1	<1	---
Copper	ppm	ASTM D5185m	>90	1	<1	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

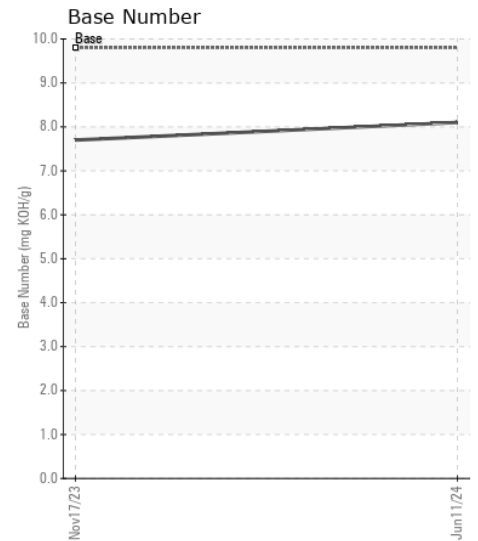
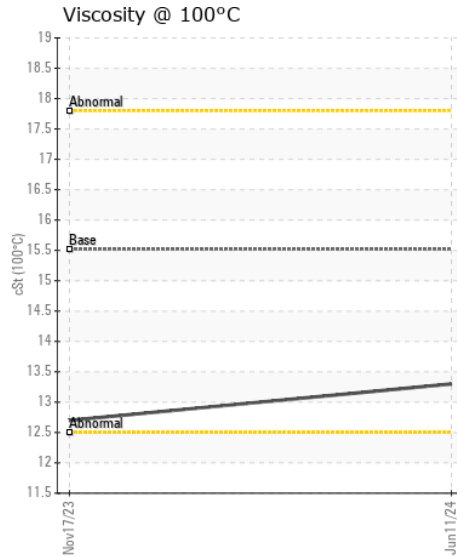
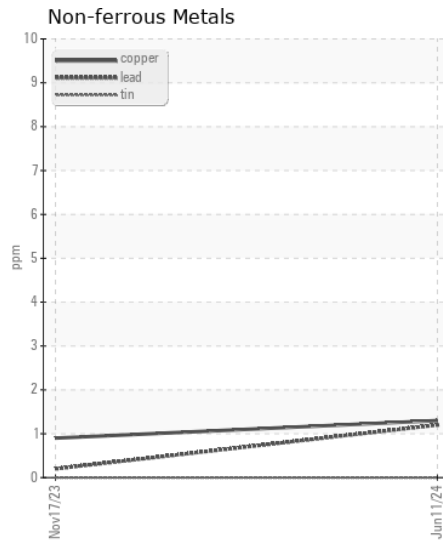
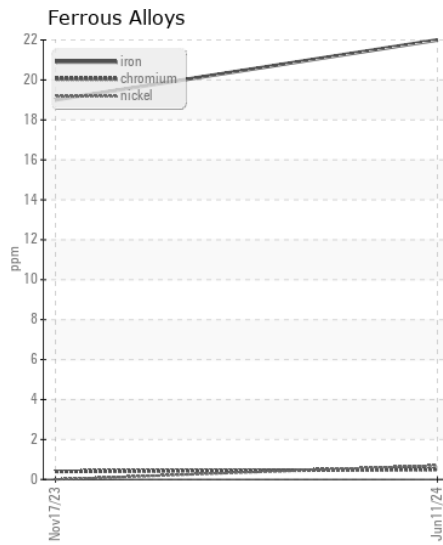
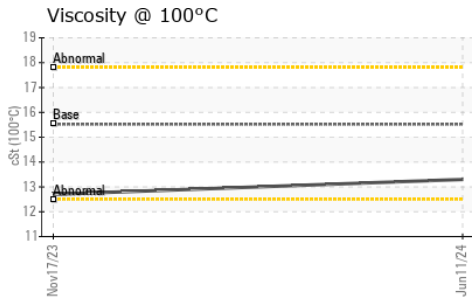
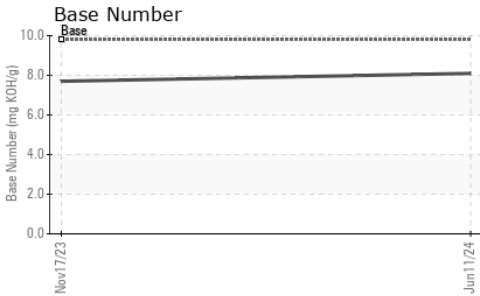
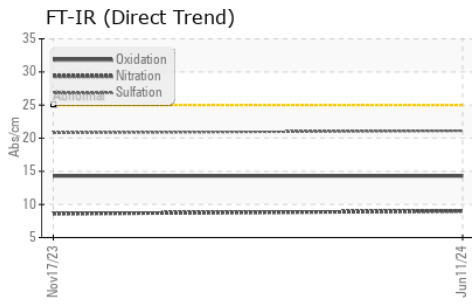
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	4	3	---
Potassium	ppm	ASTM D5185m	>20	6	5	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>7.5	1.7	1.4	---
Nitration	Abs/cm	*ASTM D7624	>20	9.0	8.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	20.8	---
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		2	6	---
Boron	ppm	ASTM D5185m	2	8	13	---
Barium	ppm	ASTM D5185m	0	0	<1	---
Molybdenum	ppm	ASTM D5185m	60	61	60	---
Manganese	ppm	ASTM D5185m	0	1	<1	---
Magnesium	ppm	ASTM D5185m	1010	1010	870	---
Calcium	ppm	ASTM D5185m	1070	1138	1037	---
Phosphorus	ppm	ASTM D5185m	1150	1101	1026	---
Zinc	ppm	ASTM D5185m	1270	1360	1187	---
Sulfur	ppm	ASTM D5185m	2060	3910	2924	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	14.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1	7.7	---
Visc @ 100°C	cSt	ASTM D445	15.52	13.3	12.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DE0000526
Lab Number : 06222980
Unique Number : 11101177
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)

T:
F: