



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
195
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		DE0000580	DE0000571	---
Sample Date		Client Info		18 Mar 2024	05 Mar 2024	---
Machine Age	mls	Client Info		271976	245992	---
Oil Age	mls	Client Info		15943	9852	---
Filter Age	mls	Client Info		15943	9852	---
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	21	49	---
Chromium	ppm	ASTM D5185m	>20	<1	2	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	2	3	---
Lead	ppm	ASTM D5185m	>40	5	17	---
Copper	ppm	ASTM D5185m	>330	10	25	---
Tin	ppm	ASTM D5185m	>15	<1	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

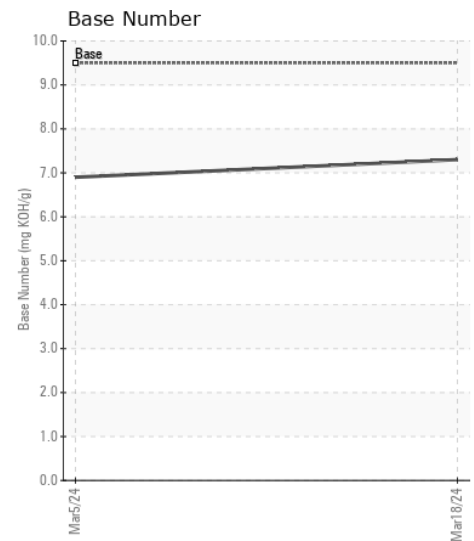
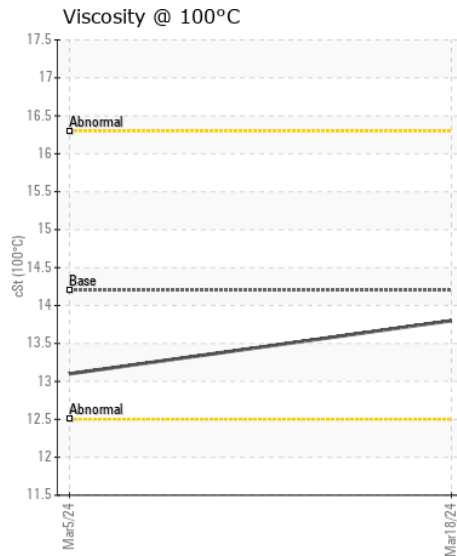
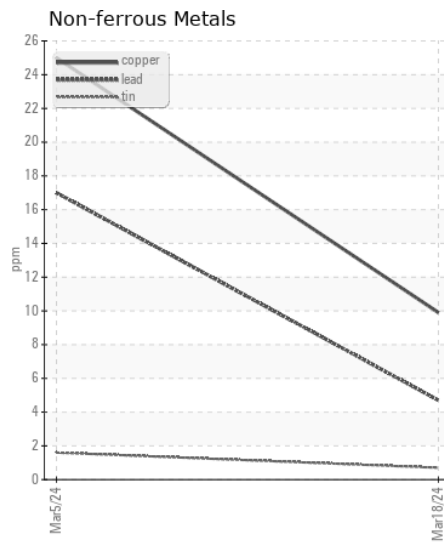
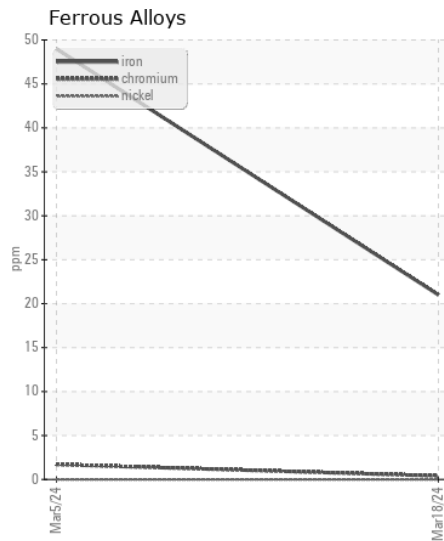
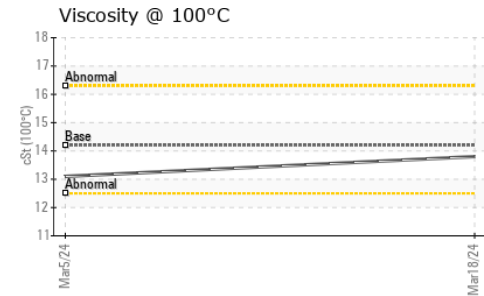
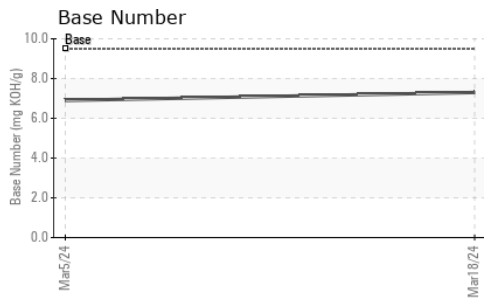
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	3	8	---
Potassium	ppm	ASTM D5185m	>20	<1	3	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	2.4	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	9.2	10.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	24.0	---
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	6	---
Boron	ppm	ASTM D5185m	0	7	24	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	55	32	---
Manganese	ppm	ASTM D5185m	0	<1	<1	---
Magnesium	ppm	ASTM D5185m	80	940	823	---
Calcium	ppm	ASTM D5185m	2400	1012	1193	---
Phosphorus	ppm	ASTM D5185m	750	993	1025	---
Zinc	ppm	ASTM D5185m	840	1212	1232	---
Sulfur	ppm	ASTM D5185m	2130	3330	3700	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	19.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	7.3	6.9	---
Visc @ 100°C	cSt	ASTM D445	14.2	13.8	13.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : DE0000580

Lab Number : 06124187

Unique Number : 10938338

Test Package : FLEET

Received : 20 Mar 2024

Tested : 21 Mar 2024

Diagnosed : 21 Mar 2024 - Wes Davis

Iroquois Bar Corp.

155 Commerce Drive

Lacakwana, 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)