



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8875 BRITANNIA
 Component
Diesel Engine
 Fluid
TOTAL FINA RUBIA TIR 7900 15W40 (--- LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0787073	WC0665497	---
Sample Date		Client Info		09 Mar 2023	20 Jul 2022	---
Machine Age	hrs	Client Info		122	103	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	1	3	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	0	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	1	1	---
Lead	ppm	ASTM D5185(m)	>40	0	2	---
Copper	ppm	ASTM D5185(m)	>330	0	1	---
Tin	ppm	ASTM D5185(m)	>15	<1	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

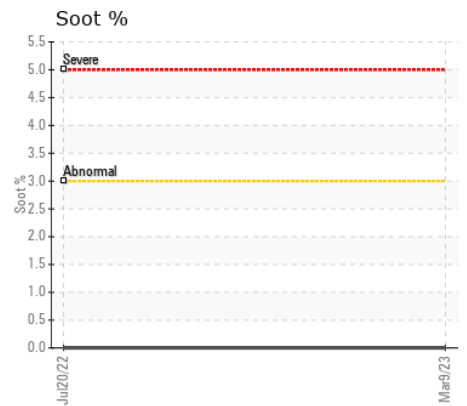
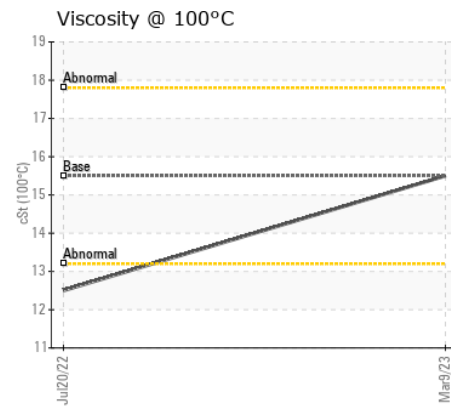
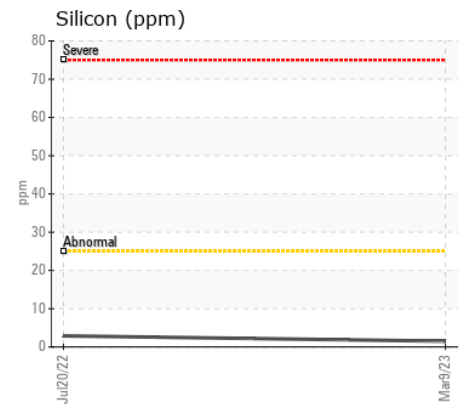
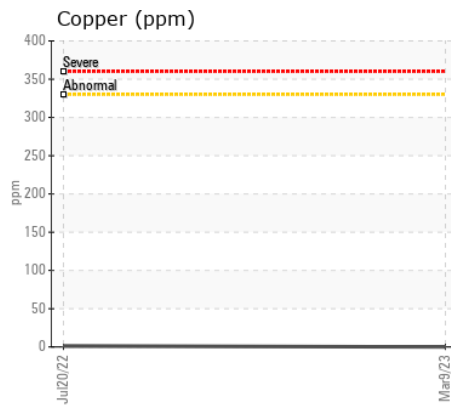
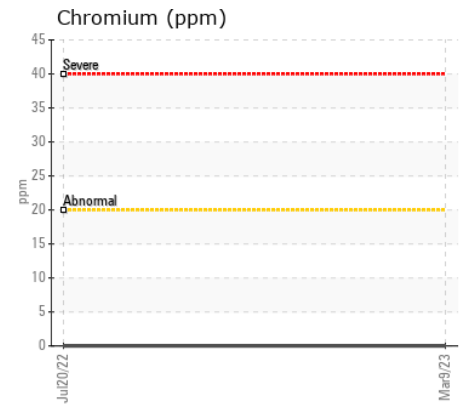
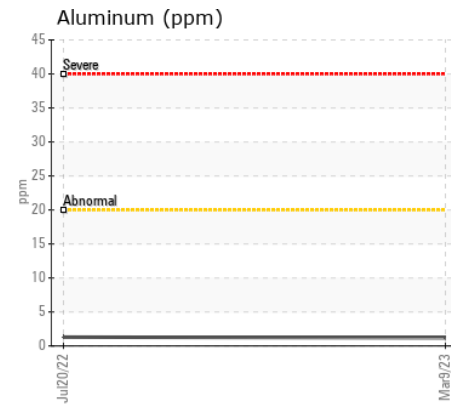
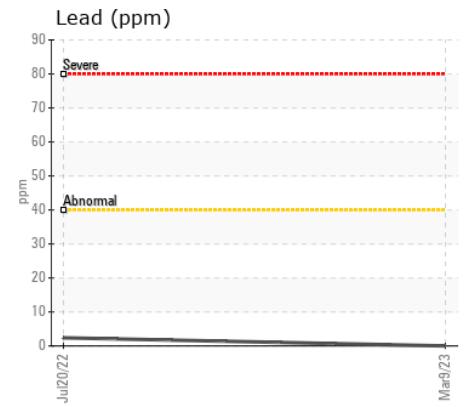
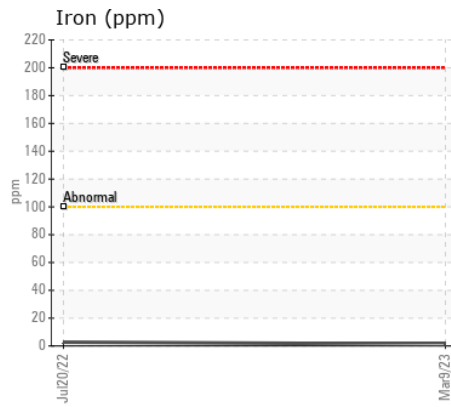
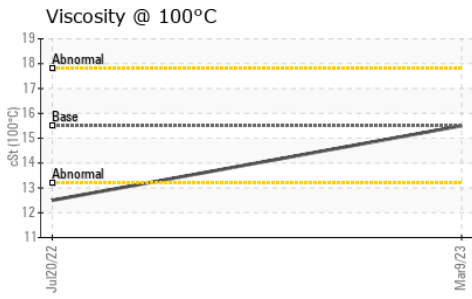
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	3	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Fuel		WC Method	>5	<1.0	1.9	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.7	7.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.7	16.9	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
 The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		5	2	---
Boron	ppm	ASTM D5185(m)		44	63	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		<1	29	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		8	101	---
Calcium	ppm	ASTM D5185(m)	3290	2022	2228	---
Phosphorus	ppm	ASTM D5185(m)	1200	883	1036	---
Zinc	ppm	ASTM D5185(m)	1400	919	1084	---
Sulfur	ppm	ASTM D5185(m)	4000	3114	2633	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.2	13.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	15.5	12.5	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0787073 **Received** : 30 Mar 2023
Lab Number : 02548466 **Tested** : 30 Mar 2023
Unique Number : 5553476 **Diagnosed** : 30 Mar 2023 - Wes Davis
Test Package : MOB 1

GenWorx Power Systems Inc.
 785 Westney Road, Unit 4
 Ajax, ON
 CA L1S 7G1
 Contact: J Curtis
 jcurtis@genworx.ca

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

T:
F: