



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 275 MOUNTAINVIEW
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		WC0888824	WC0787126	WC0665514
Sample Date		Client Info		01 Feb 2024	13 Mar 2023	17 Mar 2022
Machine Age	hrs	Client Info		1016	864	824
Oil Age	hrs	Client Info		152	0	0
Filter Age	hrs	Client Info		152	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<1	2	2
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	1	2	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	3	2	6
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

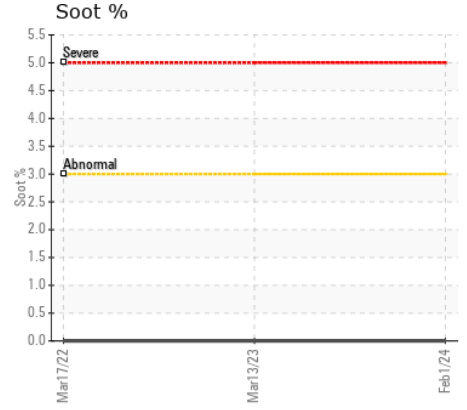
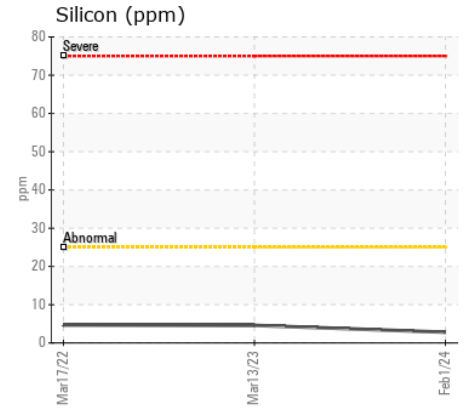
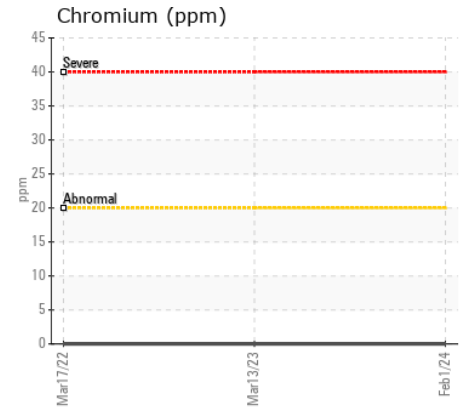
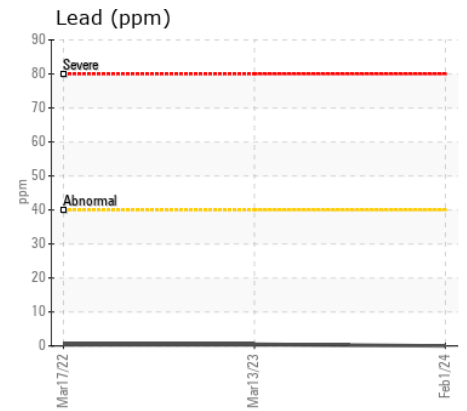
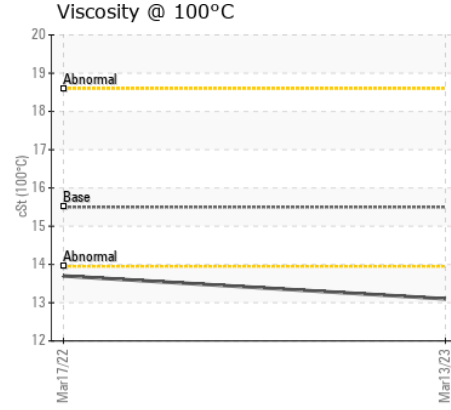
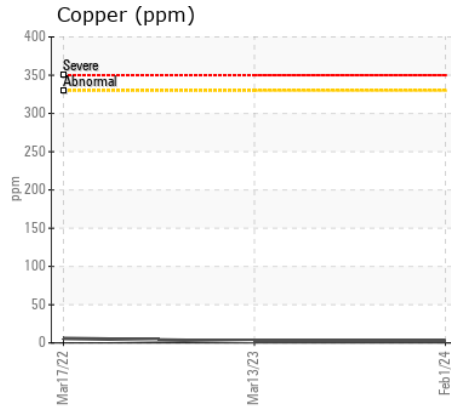
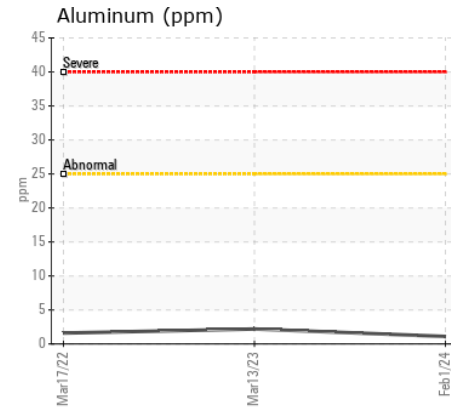
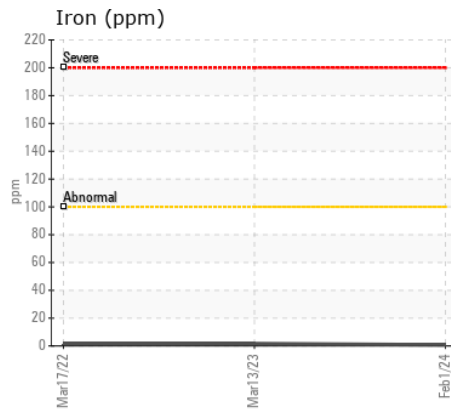
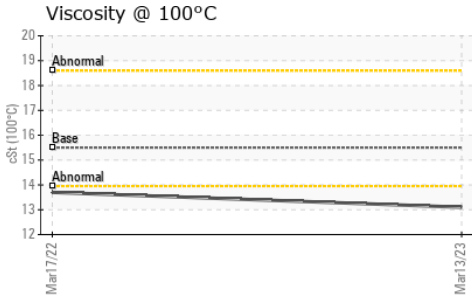
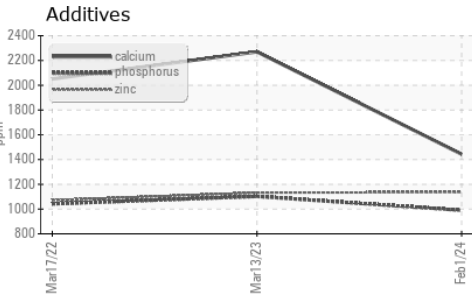
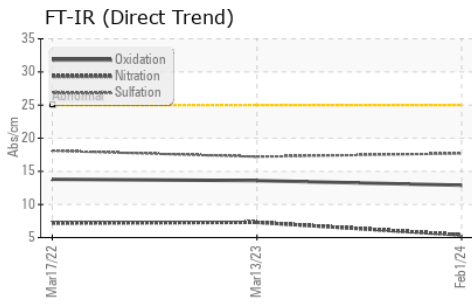
Insufficient sample was received to conduct all the routine laboratory tests.

Silicon	ppm	ASTM D5185(m)	>25	3	5	5
Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.4	7.3	7.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.7	17.2	18.1
Emulsified Water	scalar	Visual*	>0.2	NEG	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)		1	3	3
Boron	ppm	ASTM D5185(m)		25	70	68
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		69	66	67
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		649	46	95
Calcium	ppm	ASTM D5185(m)	3290	1443	2270	2051
Phosphorus	ppm	ASTM D5185(m)	1200	990	1102	1042
Zinc	ppm	ASTM D5185(m)	1400	1136	1132	1071
Sulfur	ppm	ASTM D5185(m)	4000	2741	3141	2987
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.9	13.6	13.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	---	13.1	13.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0888824 **Received** : 15 Apr 2024
Lab Number : 02628799 **Tested** : 18 Apr 2024
Unique Number : 5761931 **Diagnosed** : 18 Apr 2024 - Kevin Marson
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.