



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[87065]

Machine Id

30 QUEENSWAY TORONTO UNITY HEALTH 5362003983

Component

Rear Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (100 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006319	PN0003634	---
Sample Date		Client Info		10 Jun 2024	21 Jun 2022	---
Machine Age	hrs	Client Info		578	498	---
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	ABNORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

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

CONTAMINATION

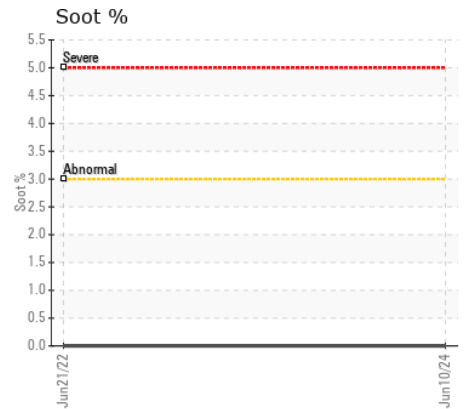
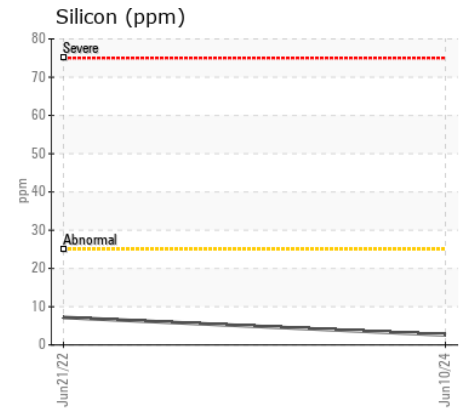
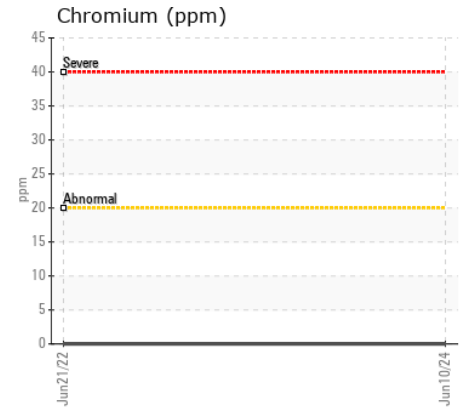
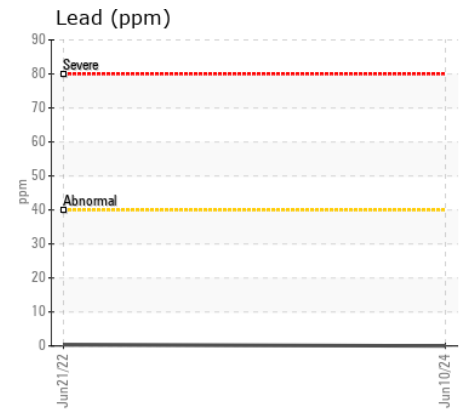
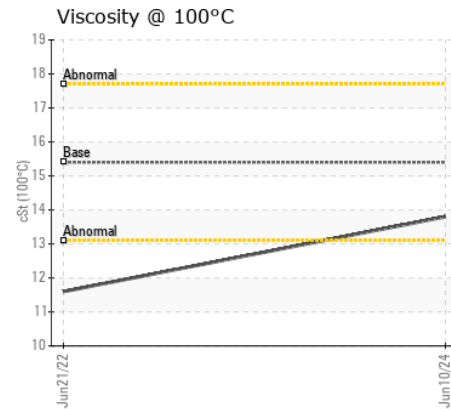
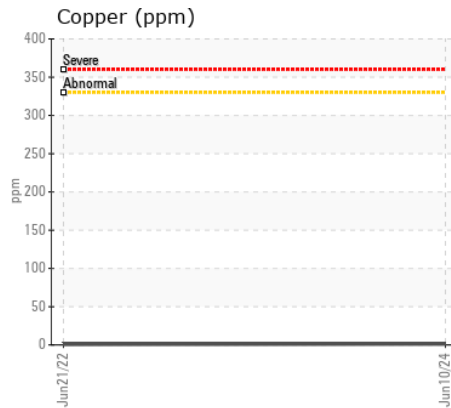
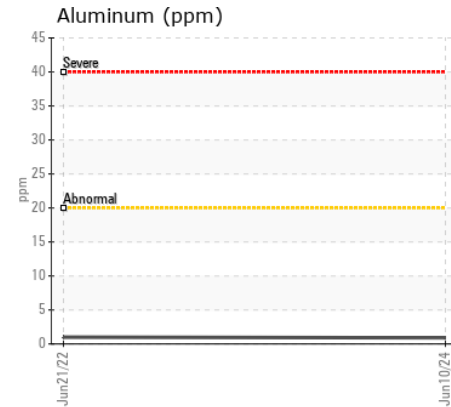
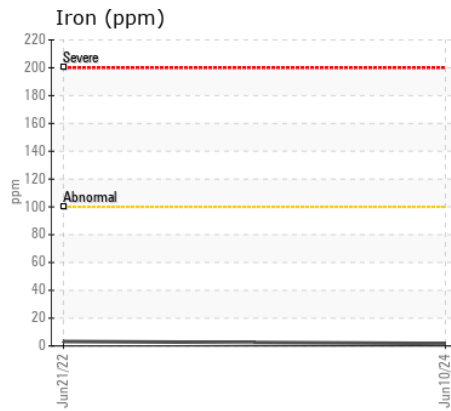
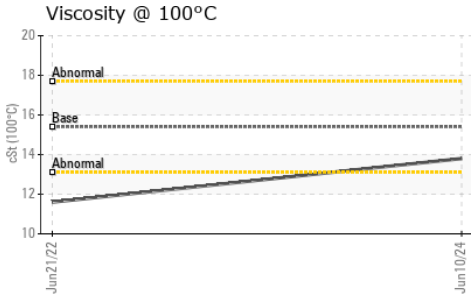
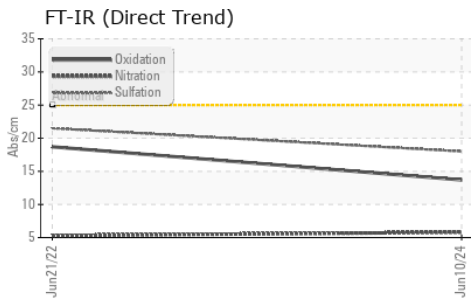
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	7	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---
Fuel		WC Method	>5	<1.0	1.6	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	5.8	5.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.0	21.5	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>192	1	3	---
Boron	ppm	ASTM D5185(m)		11	55	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		49	39	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		789	511	---
Calcium	ppm	ASTM D5185(m)	3780	1182	1633	---
Phosphorus	ppm	ASTM D5185(m)	1370	965	911	---
Zinc	ppm	ASTM D5185(m)	1500	1133	1054	---
Sulfur	ppm	ASTM D5185(m)	3800	2577	2533	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.7	18.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	13.8	▲ 11.6	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006319 **Received** : 25 Jun 2024
Lab Number : **02643942** **Tested** : 25 Jun 2024
Unique Number : 5801481 **Diagnosed** : 25 Jun 2024 - Wes Davis
Test Package : MOB 1

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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.