



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

[24488]

Machine Id

22-115

Component

Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0895447</b>	WC0842891	WC0794706
Sample Date		Client Info		<b>25 Apr 2024</b>	31 Aug 2023	18 Apr 2023
Machine Age	hrs	Client Info		<b>5617</b>	79378	68114
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	<b>11</b>	12	11
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>7</b>	9	9
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>30	<b>7</b>	13	13
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

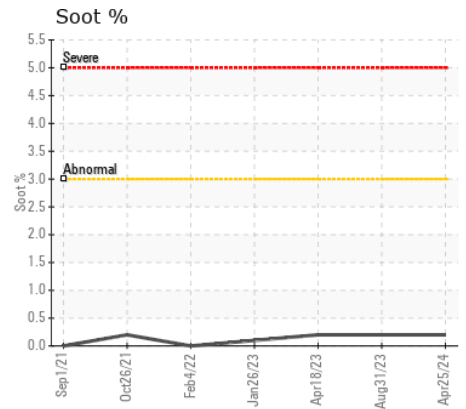
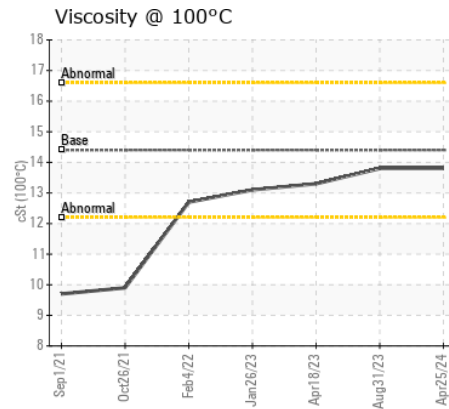
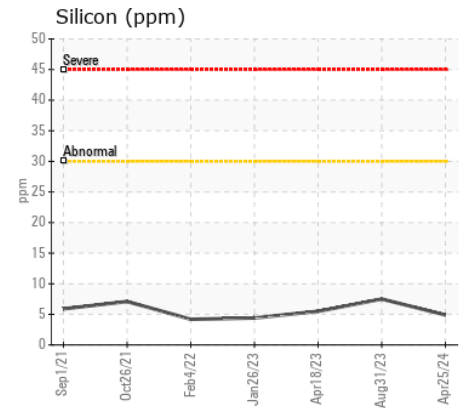
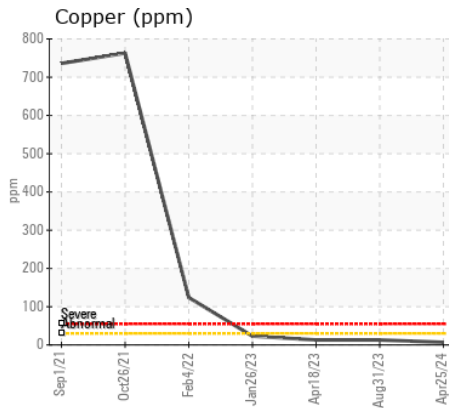
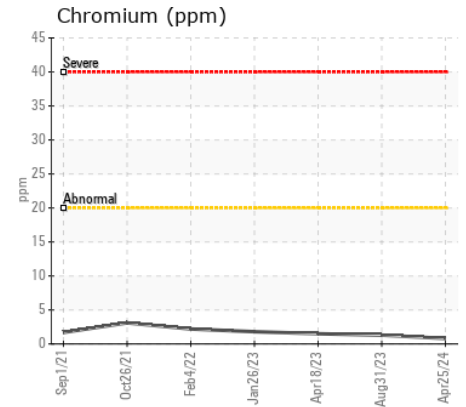
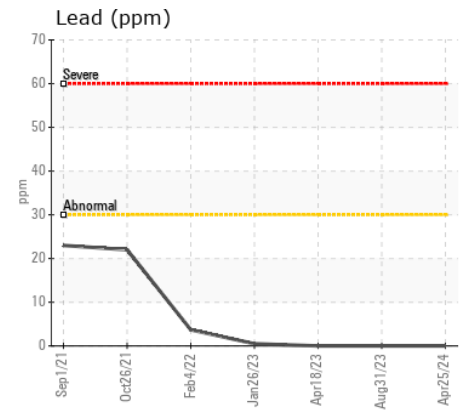
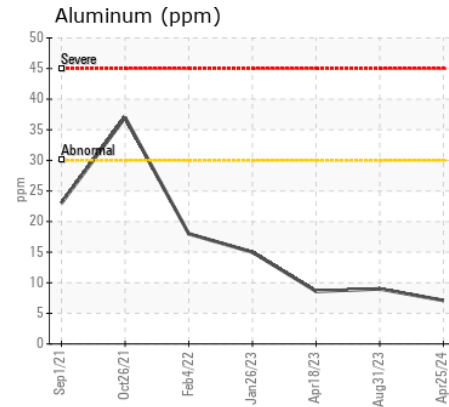
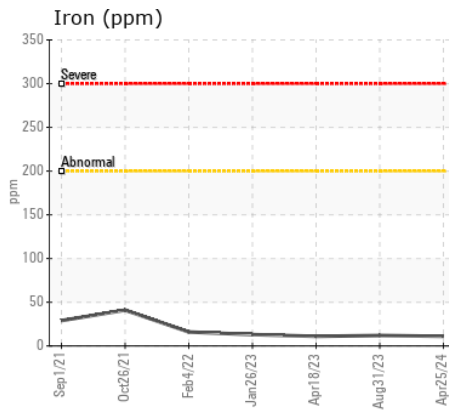
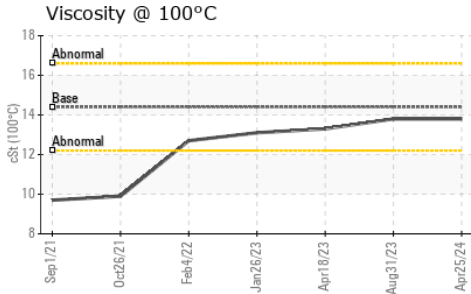
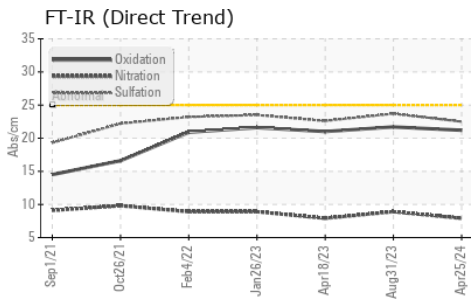
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>5</b>	8	6
Potassium	ppm	ASTM D5185(m)	>20	<b>9</b>	15	13
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.2</b>	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.9</b>	8.9	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.5</b>	23.7	22.6
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>158	<b>4</b>	6	9
Boron	ppm	ASTM D5185(m)	250	<b>34</b>	25	35
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>41</b>	41	40
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>512</b>	532	499
Calcium	ppm	ASTM D5185(m)	3000	<b>1756</b>	1647	1741
Phosphorus	ppm	ASTM D5185(m)	1150	<b>752</b>	753	775
Zinc	ppm	ASTM D5185(m)	1350	<b>900</b>	892	857
Sulfur	ppm	ASTM D5185(m)	4250	<b>2051</b>	1945	2103
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>21.2</b>	21.7	21.0
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>13.8</b>	13.8	13.3



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0895447  
**Lab Number** : 02632305  
**Unique Number** : 5773458  
**Test Package** : MOB 1  
**Received** : 30 Apr 2024  
**Tested** : 30 Apr 2024  
**Diagnosed** : 30 Apr 2024 - Wes Davis

**OX FLEET CARE**  
 466 HIGHWAY 52  
 DUNDAS, ON  
 CA L9H 5E2

Contact: Robert Hughes  
 robert.hughes@ox-equipment.com  
 T: (289)683-6037  
 F:

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.