



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**International T193 (S/N 3HSDZAAPR5KN654088)**  
 Component  
**Diesel Engine**  
 Fluid  
**INVENTORY EXPRESS 10W30 (44 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0906427</b>	WC0836049	WC0758817
Sample Date		Client Info		<b>22 Apr 2024</b>	23 Aug 2023	08 Feb 2023
Machine Age	hrs	Client Info		<b>600375</b>	527088	459606
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)	>100	<b>26</b>	23	29
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	4	4
Lead	ppm	ASTM D5185(m)	>40	<b>8</b>	6	9
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	1	1
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

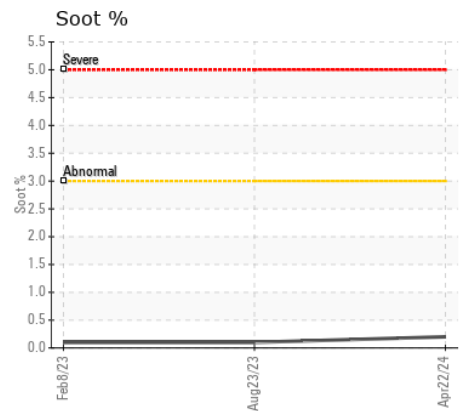
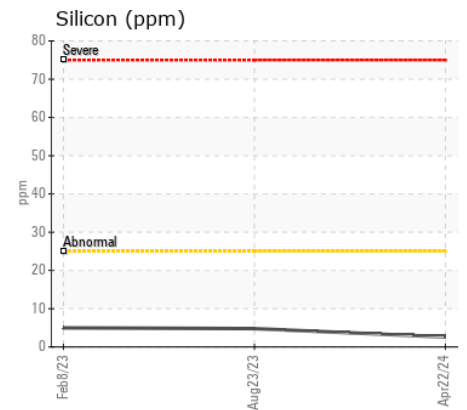
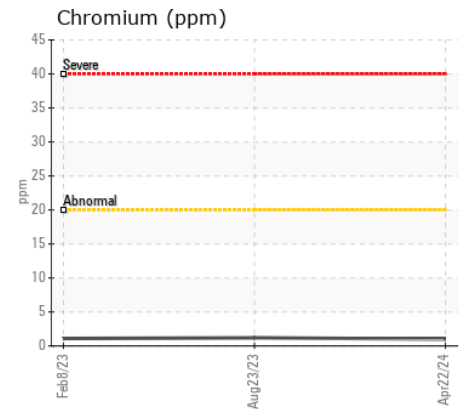
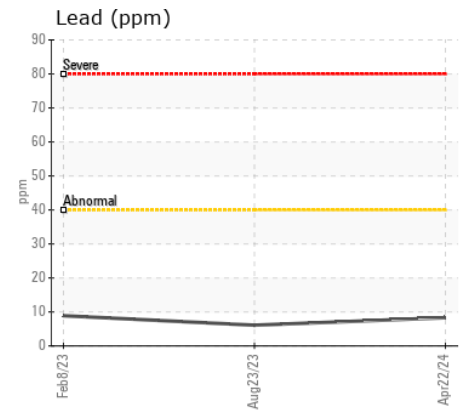
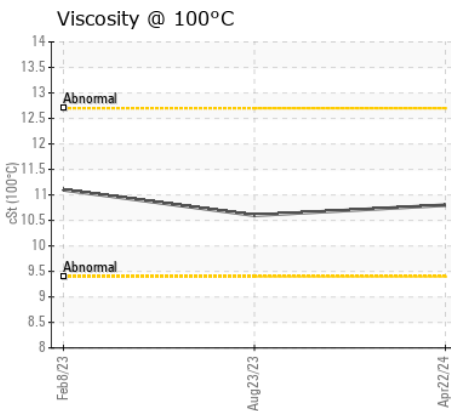
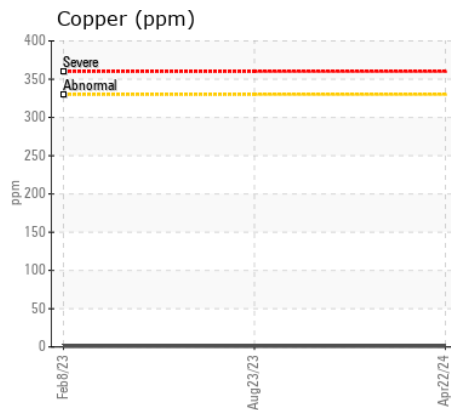
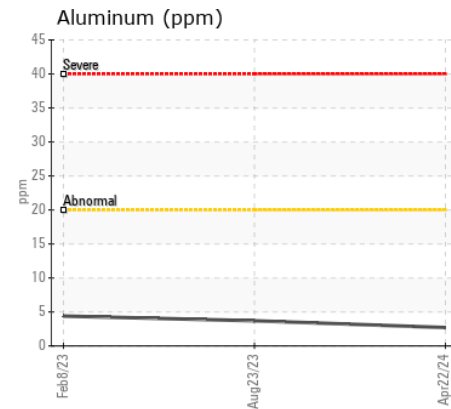
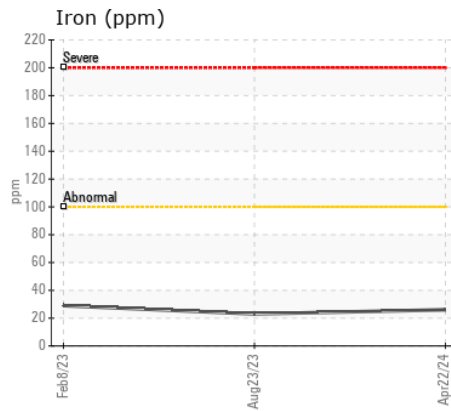
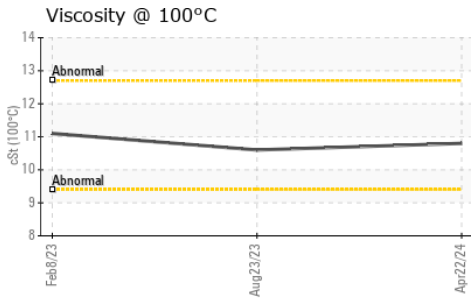
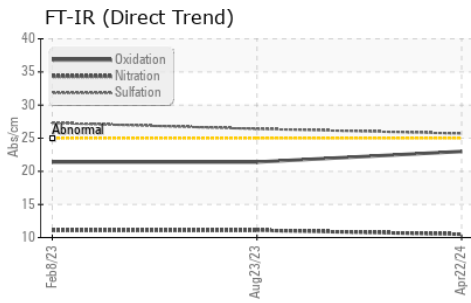
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	5	5
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	4
Fuel		WC Method	>2.0	<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>	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.5</b>	11.1	11.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>25.7</b>	26.4	27.3
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)		<b>2</b>	2	3
Boron	ppm	ASTM D5185(m)		<b>27</b>	16	14
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>51</b>	91	80
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>307</b>	63	61
Calcium	ppm	ASTM D5185(m)		<b>1395</b>	2150	2185
Phosphorus	ppm	ASTM D5185(m)		<b>886</b>	985	1039
Zinc	ppm	ASTM D5185(m)		<b>1064</b>	1151	1177
Sulfur	ppm	ASTM D5185(m)		<b>2268</b>	2802	2840
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>23.0</b>	21.4	21.4
Visc @ 100°C	cSt	ASTM D7279(m)		<b>10.8</b>	10.6	11.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0906427 **Received** : 26 Apr 2024  
**Lab Number** : 02631621 **Tested** : 26 Apr 2024  
**Unique Number** : 5772774 **Diagnosed** : 26 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

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.

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