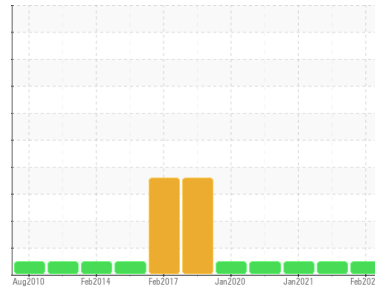




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MITSUBISHI M0727
 Component
Diesel Engine
 Fluid
 DIESEL ENGINE OIL SAE 15W40 (10 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0836731	WC0764018	WC0510725
Sample Date	Client Info		26 Feb 2024	23 Feb 2023	28 Jan 2021
Machine Age	hrs	Client Info	229	214	194
Oil Age	hrs	Client Info	26	11	15
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Water	WC Method	>0.2	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	4	8	3
Chromium	ppm	ASTM D5185(m) >20	0	0	<1
Nickel	ppm	ASTM D5185(m) >4	0	3	0
Titanium	ppm	ASTM D5185(m)	0	<1	0
Silver	ppm	ASTM D5185(m) >3	0	0	<1
Aluminum	ppm	ASTM D5185(m) >20	1	1	1
Lead	ppm	ASTM D5185(m) >40	2	3	2
Copper	ppm	ASTM D5185(m) >330	12	12	8
Tin	ppm	ASTM D5185(m) >15	2	4	1
Antimony	ppm	ASTM D5185(m)	0	<1	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	6	94	7
Barium	ppm	ASTM D5185(m) 10	0	<1	<1
Molybdenum	ppm	ASTM D5185(m) 100	24	12	32
Manganese	ppm	ASTM D5185(m)	0	<1	<1
Magnesium	ppm	ASTM D5185(m) 450	496	70	614
Calcium	ppm	ASTM D5185(m) 3000	1446	2155	1325
Phosphorus	ppm	ASTM D5185(m) 1150	877	977	929
Zinc	ppm	ASTM D5185(m) 1350	1039	1110	1150
Sulfur	ppm	ASTM D5185(m) 4250	2718	2980	3096
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

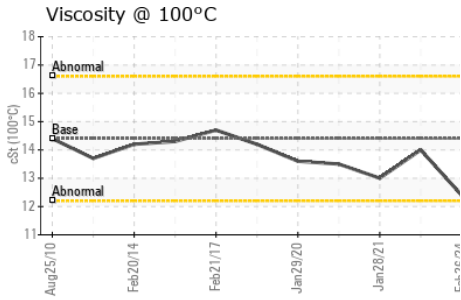
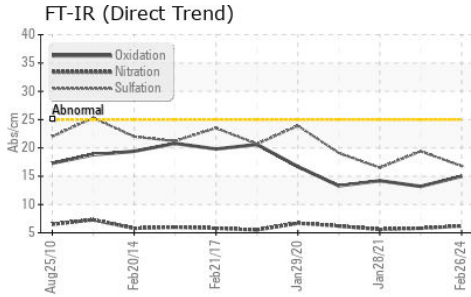
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	2	4	4
Sodium	ppm	ASTM D5185(m) >158	2	4	3
Potassium	ppm	ASTM D5185(m) >20	1	5	1

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0	0	0
Nitration	Abs/cm	ASTM D7624* >20	6.2	5.8	5.6
Sulfation	Abs/.1mm	ASTM D7415* >30	16.8	19.4	16.5



OIL ANALYSIS REPORT



FLUID DEGRADATION

method	limit/base	current	history1	history2
Abs./1mm	ASTM D7414*	>25	13.2	14.2

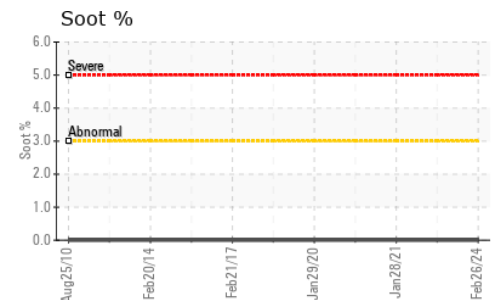
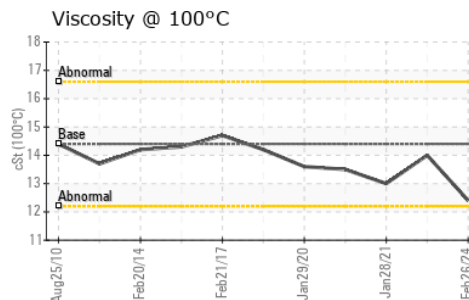
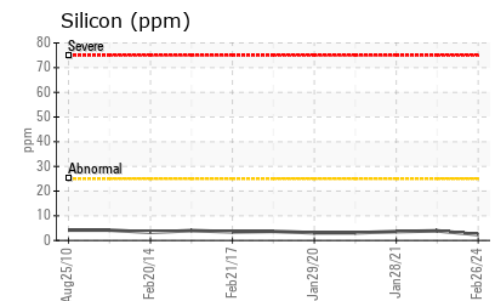
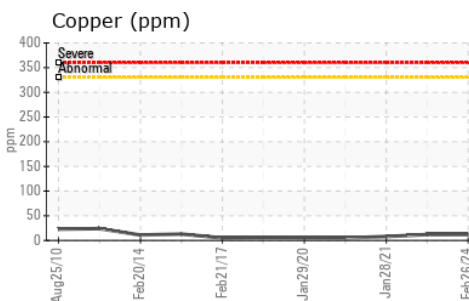
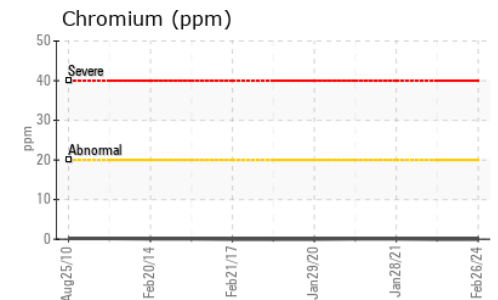
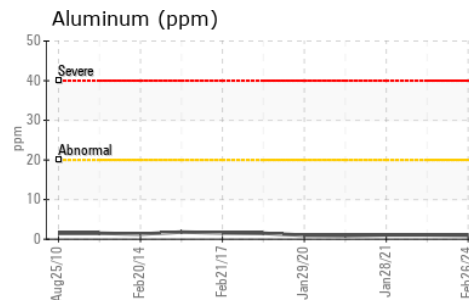
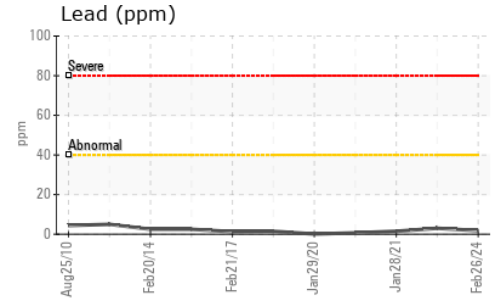
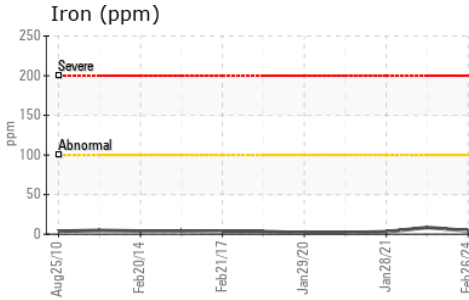
VISUAL

method	limit/base	current	history1	history2
scalar	Visual*	>0.2	NEG	NEG
scalar	Visual*	NEG	NEG	NEG

FLUID PROPERTIES

method	limit/base	current	history1	history2
cSt	ASTM D7279(m)	14.4	14.0	13.0

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0836731
Lab Number : **02630109**
Unique Number : 5763241
Test Package : MOB 1
Received : 19 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 19 Apr 2024 - Wes Davis

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 360 SOVEREIGN ROAD
 LONDON, ON
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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.