



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
MASSEY FERGUSON MF65 MF65
 Component
Diesel Engine
 Fluid
KLONDIKE HEAVY DUTY 15W40 (6 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		WC0900940	WC	WC0338391
Sample Date		Client Info		25 Mar 2024	28 Apr 2020	04 Jun 2019
Machine Age	hrs	Client Info		2639	0	2665
Oil Age	hrs	Client Info		15	0	125
Filter Age	hrs	Client Info		15	0	125
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>250	17	11	28
Chromium	ppm	ASTM D5185(m)	>10	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>35	3	1	4
Lead	ppm	ASTM D5185(m)	>100	0	<1	2
Copper	ppm	ASTM D5185(m)	>60	2	2	4
Tin	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

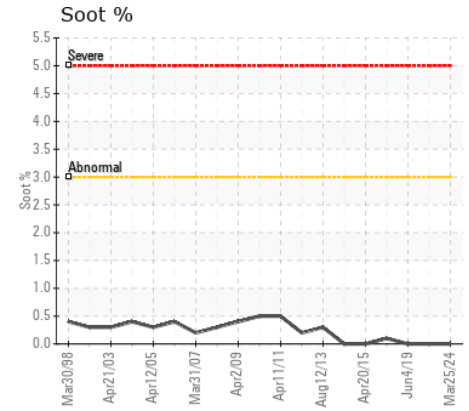
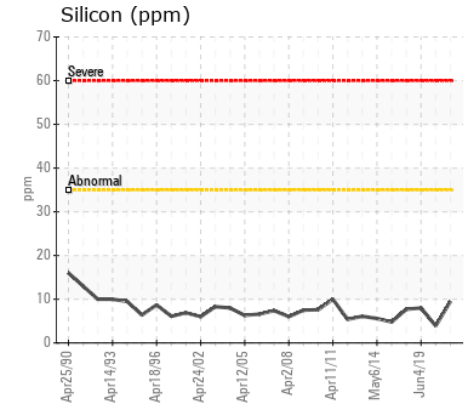
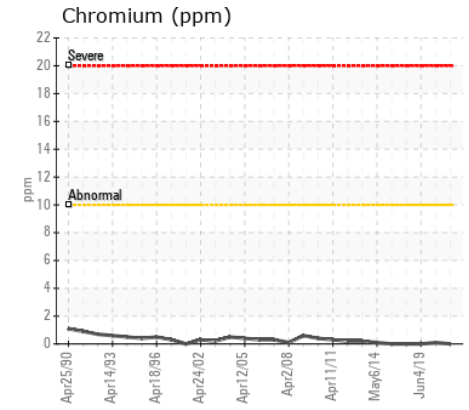
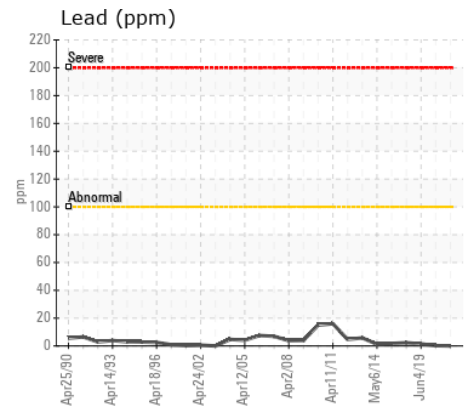
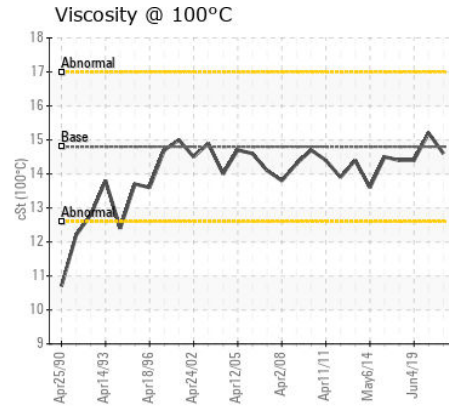
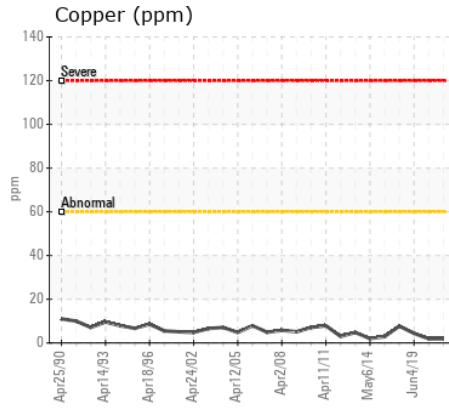
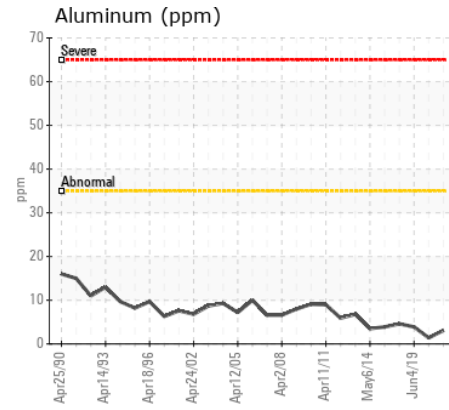
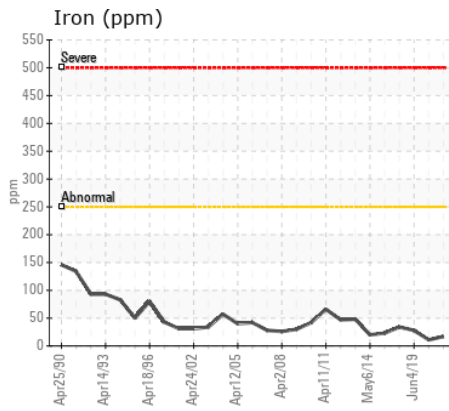
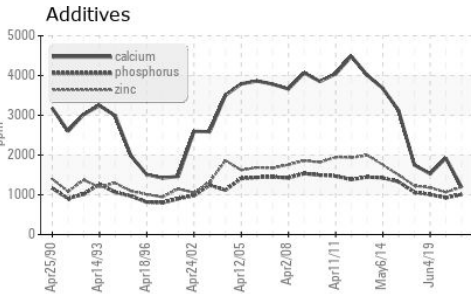
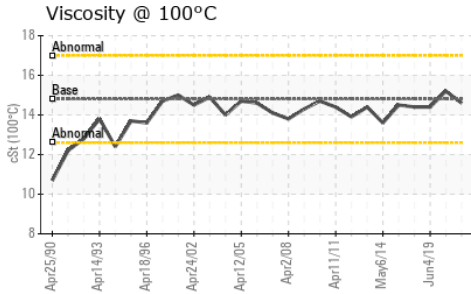
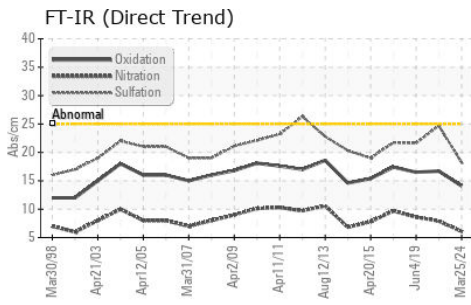
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	10	4	8
Potassium	ppm	ASTM D5185(m)	>20	1	5	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.1	7.9	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.2	24.7	21.6
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
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)		3	2	2
Boron	ppm	ASTM D5185(m)	70	23	203	428
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		55	10	77
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	50	886	60	405
Calcium	ppm	ASTM D5185(m)	2000	1189	1921	1529
Phosphorus	ppm	ASTM D5185(m)	1000	1009	923	1005
Zinc	ppm	ASTM D5185(m)	1100	1193	1062	1181
Sulfur	ppm	ASTM D5185(m)	3400	2678	2954	2904
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.1	16.7	16.5
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	14.6	15.2	14.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0900940 **Received** : 15 Apr 2024
Lab Number : 02628743 **Tested** : 16 Apr 2024
Unique Number : 5761875 **Diagnosed** : 16 Apr 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Visual)

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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.