



# OIL ANALYSIS REPORT

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

Machine Id  
**MASSEY FERGUSEN MASSEY FERGUSEN 85-265**  
 Component  
**Diesel Engine**  
 Fluid  
**DURALENE Dura-Max 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DC0020476</b>	DC0020482	DC0021199
Sample Date		Client Info		<b>09 Mar 2023</b>	06 Jan 2023	04 Nov 2022
Machine Age	hrs	Client Info		<b>1941</b>	1289	671
Oil Age	hrs	Client Info		<b>600</b>	618	0
Filter Age	hrs	Client Info		<b>600</b>	618	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 D5185m	>100	<b>13</b>	13	27
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	1	3
Lead	ppm	ASTM D5185m	>40	<b>19</b>	9	15
Copper	ppm	ASTM D5185m	>330	<b>1</b>	2	8
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

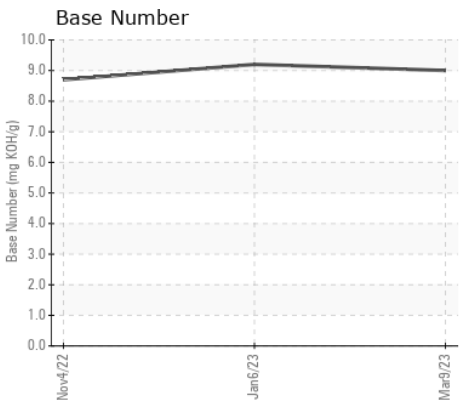
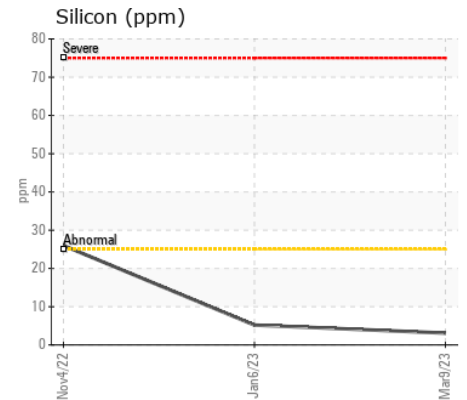
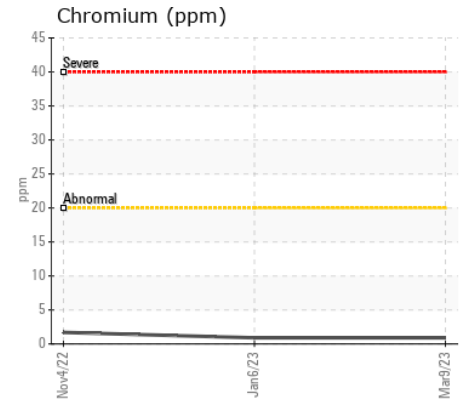
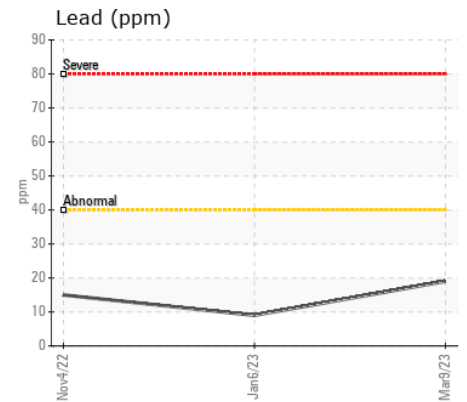
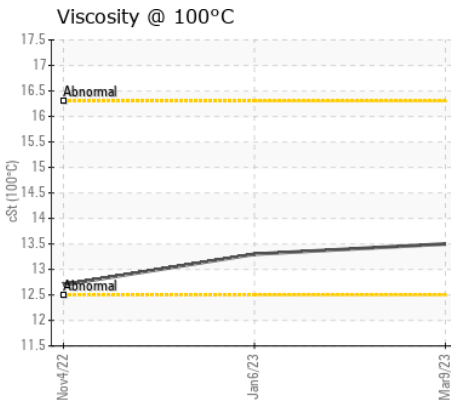
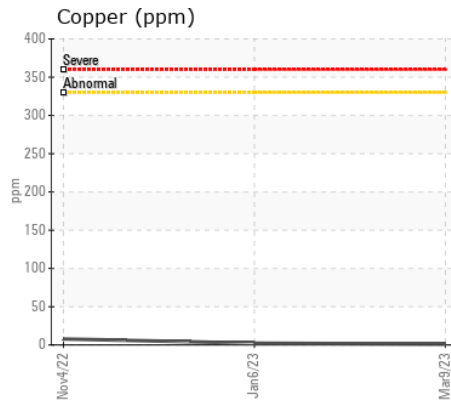
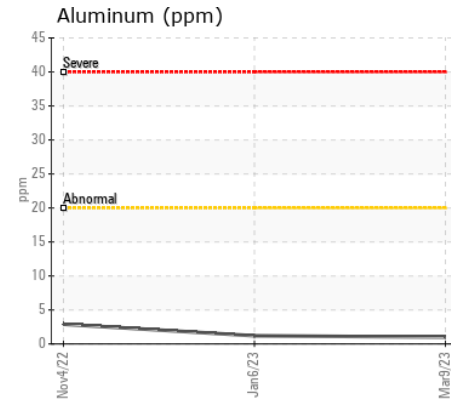
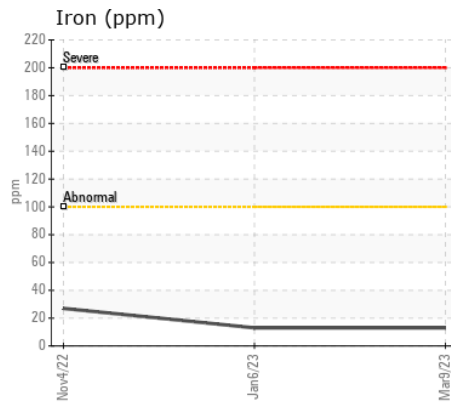
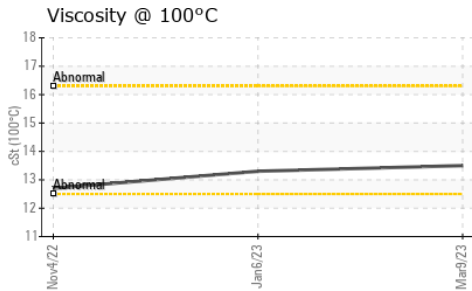
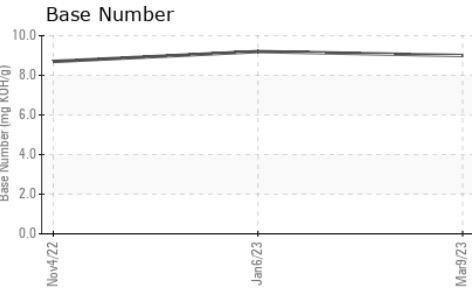
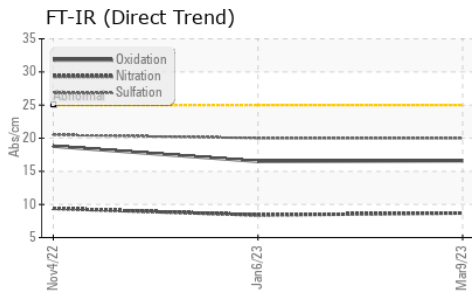
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>3</b>	5	26
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Fuel		WC Method	>5	<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>8.7</b>	8.4	9.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.0</b>	20.0	20.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	2	4
Boron	ppm	ASTM D5185m		<b>4</b>	11	81
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>60</b>	60	65
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>958</b>	920	1081
Calcium	ppm	ASTM D5185m		<b>1278</b>	1342	1180
Phosphorus	ppm	ASTM D5185m		<b>1084</b>	1041	1041
Zinc	ppm	ASTM D5185m		<b>1306</b>	1270	1406
Sulfur	ppm	ASTM D5185m		<b>3866</b>	3755	3848
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.6</b>	16.5	18.8
Base Number (BN)	mg KOH/g	ASTM D2896		<b>9.0</b>	9.2	8.7
Visc @ 100°C	cSt	ASTM D445		<b>13.5</b>	13.3	12.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : DC0020476 **Received** : 04 Aug 2023  
**Lab Number** : 05916652 **Tested** : 07 Aug 2023  
**Unique Number** : 10588566 **Diagnosed** : 07 Aug 2023 - Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: TBN )

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

**MERCER VU FARMS**  
 12275 MT PLEASANT RD  
 MERCERSBURG, PA  
 US 17236  
 Contact: RYAN LEASURE  
 ryanleasure@yahoo.com  
 T: (717)404-5913  
 F: