



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

Machine Id  
**JOHN DEERE AMY FRANCES**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 400 LE 15W40 (7 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0058213</b>	MW0058272	MW0058268
Sample Date		Client Info		<b>18 Jan 2024</b>	10 Dec 2023	05 Nov 2023
Machine Age	hrs	Client Info		<b>1411</b>	942	459
Oil Age	hrs	Client Info		<b>500</b>	500	459
Filter Age	hrs	Client Info		<b>500</b>	500	459
Oil Changed		Client Info		<b>Changed</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Changed</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>10</b>	9	9
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>15</b>	15	5
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>&lt;1</b>	1	<1
Lead	ppm	ASTM D5185m	>17	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>70	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

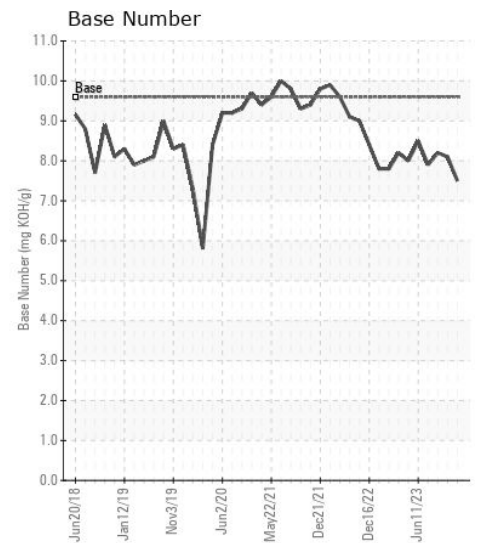
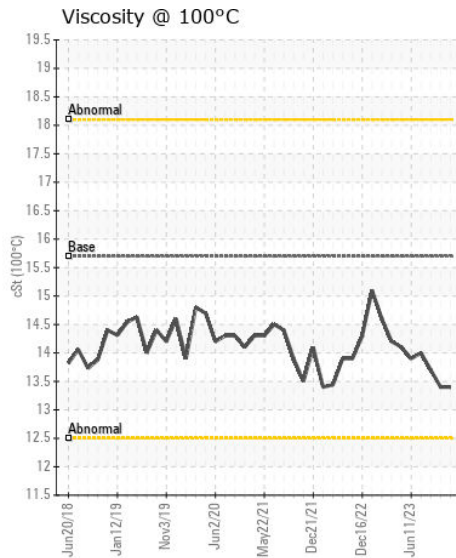
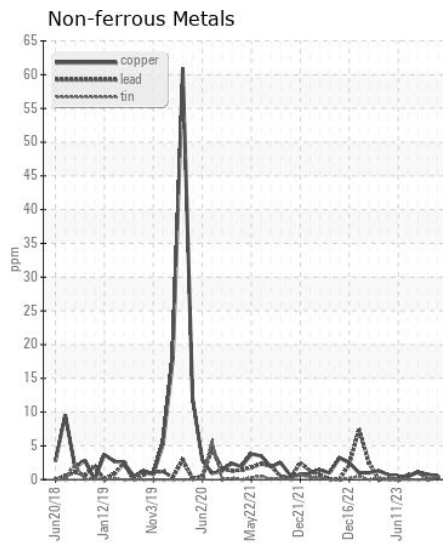
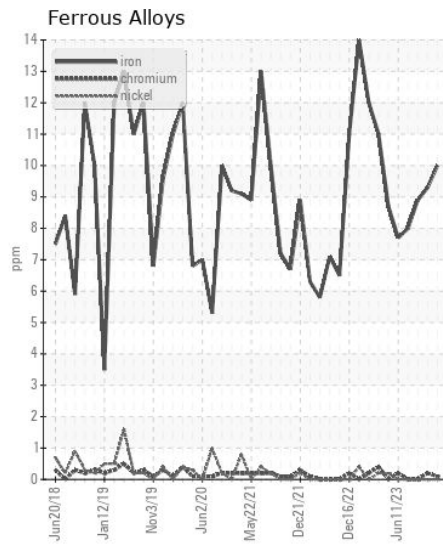
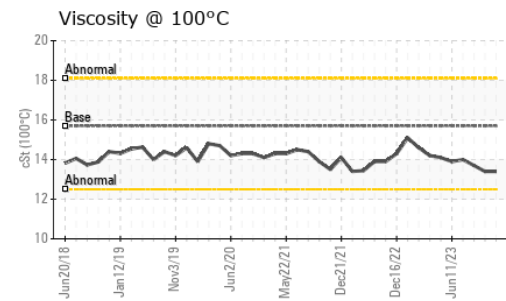
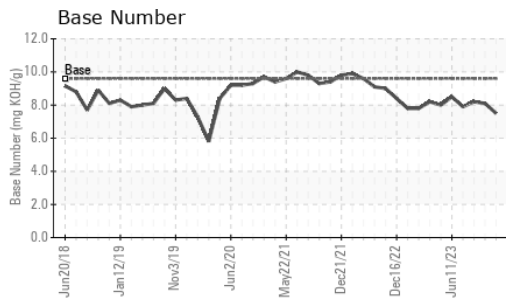
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	7	11
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	3	6
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.3</b>	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.9</b>	8.4	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.4</b>	18.6	19.7
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	>0.1	<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>	4	8
Boron	ppm	ASTM D5185m		<b>74</b>	87	153
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>29</b>	29	12
Manganese	ppm	ASTM D5185m		<b>2</b>	1	2
Magnesium	ppm	ASTM D5185m		<b>722</b>	694	312
Calcium	ppm	ASTM D5185m		<b>1584</b>	1648	2171
Phosphorus	ppm	ASTM D5185m	1200	<b>690</b>	748	1047
Zinc	ppm	ASTM D5185m	1300	<b>841</b>	841	1312
Sulfur	ppm	ASTM D5185m	3200	<b>3133</b>	3144	4053
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.4</b>	13.6	15.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	<b>7.5</b>	8.1	8.2
Visc @ 100°C	cSt	ASTM D445	15.7	<b>13.4</b>	13.4	13.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0058213 **Recieved** : 30 Jan 2024  
**Lab Number** : 06074497 **Diagnosed** : 31 Jan 2024  
**Unique Number** : 10856588 **Diagnostician** : Wes Davis  
**Test Package** : MAR 2

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)

**MAGNOLIA MARINE TRANSPORT**  
 697 HAINING ROAD  
 VICKSBURG, MS  
 US 39183  
 Contact: MMT MAINTENANCE PLANNERS  
 mmtmaintenanceplanners@ergon.com

T: x:  
 F: (601)638-8028