



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

Machine Id  
**MAGNUM MLT3060 PLP-2156 (S/N 1211474)**

Component  
**Diesel Engine**

Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0199200</b>	JR0195711	JR0190103
Sample Date		Client Info		<b>12 Jan 2024</b>	07 Dec 2023	06 Nov 2023
Machine Age	hrs	Client Info		<b>28041</b>	27705	27277
Oil Age	hrs	Client Info		<b>336</b>	27705	27277
Filter Age	hrs	Client Info		<b>0</b>	27705	27277
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ATTENTION	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>2</b>	7	7
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	5	2
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
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

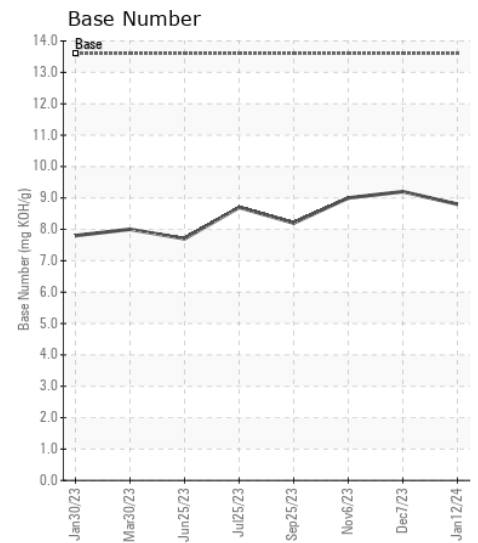
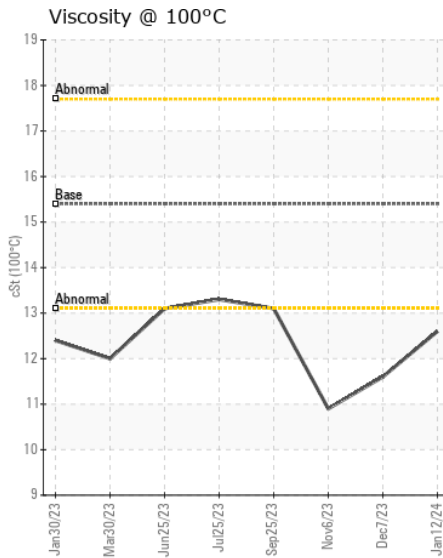
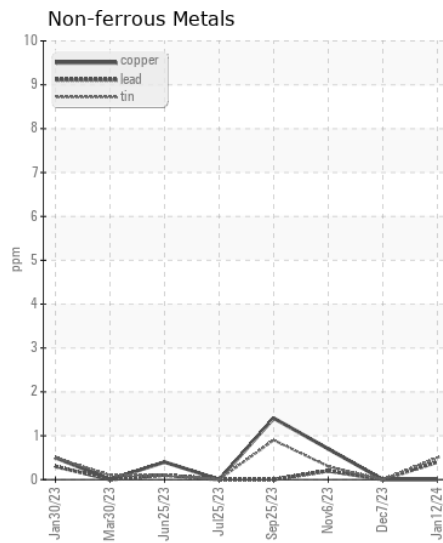
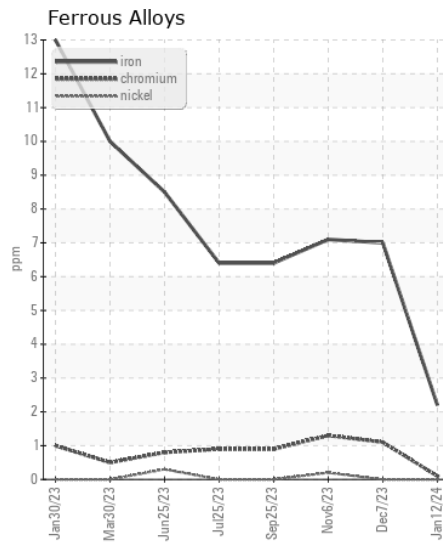
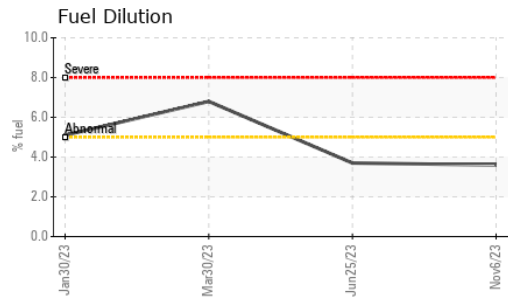
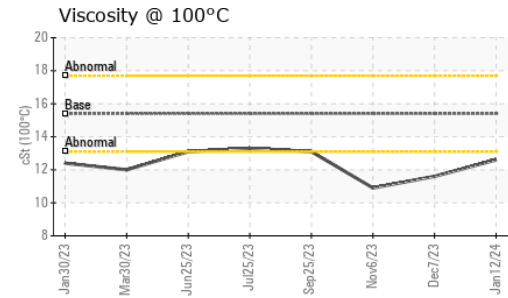
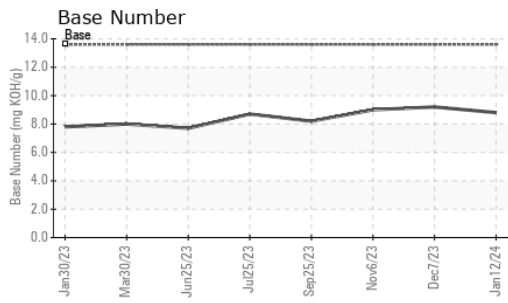
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	10	9
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	1	3
Fuel	%	ASTM D3524	>5	<b>&lt;1.0</b>	<1.0	▲ 3.6
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.0</b>	7.3	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.9</b>	20.6	20.7
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	>0.2	<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>&lt;1</b>	2	0
Boron	ppm	ASTM D5185m		<b>225</b>	236	171
Barium	ppm	ASTM D5185m		<b>0</b>	0	5
Molybdenum	ppm	ASTM D5185m		<b>200</b>	206	158
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>760</b>	665	▲ 510
Calcium	ppm	ASTM D5185m		<b>1445</b>	1901	▲ 2098
Phosphorus	ppm	ASTM D5185m		<b>896</b>	932	916
Zinc	ppm	ASTM D5185m		<b>1038</b>	1153	1082
Sulfur	ppm	ASTM D5185m		<b>2928</b>	3045	3081
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.4</b>	15.2	14.8
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	<b>8.8</b>	9.2	9.0
Visc @ 100°C	cSt	ASTM D445	15.4	<b>12.6</b>	▲ 11.6	▲ 10.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0199200 **Received** : 16 Jan 2024  
**Lab Number** : 06060870 **Diagnosed** : 17 Jan 2024  
**Unique Number** : 10832252 **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: FuelDilution, 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)

**OSCAR RENDA CONTRACTING**  
 5222 BENSON LANE  
 ROANOKE, TX  
 US 76262  
 Contact: TROY COREY  
 tcorey@oscarrenda.com  
 T: (817)491-2703  
 F: