



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

Machine Id  
**JOHN DEERE 245G B-145 (S/N 1FF245GXLMF802192)**  
 Component  
**Pump Drive**  
 Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0225485</b>	JR0217778	JR0211246
Sample Date		Client Info		<b>08 Jul 2024</b>	23 May 2024	05 Apr 2024
Machine Age	hrs	Client Info		<b>4601</b>	4357	4114
Oil Age	hrs	Client Info		<b>4601</b>	243	4114
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>None</b>	None	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>25</b>	22	28
Iron	ppm	ASTM D5185m	>151	<b>36</b>	31	89
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>4</b>	4	4
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	<1	2
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

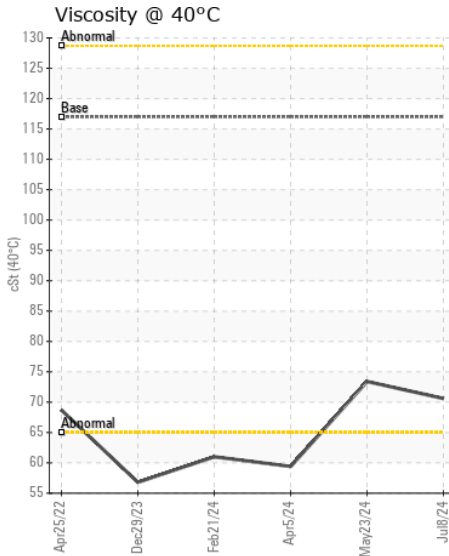
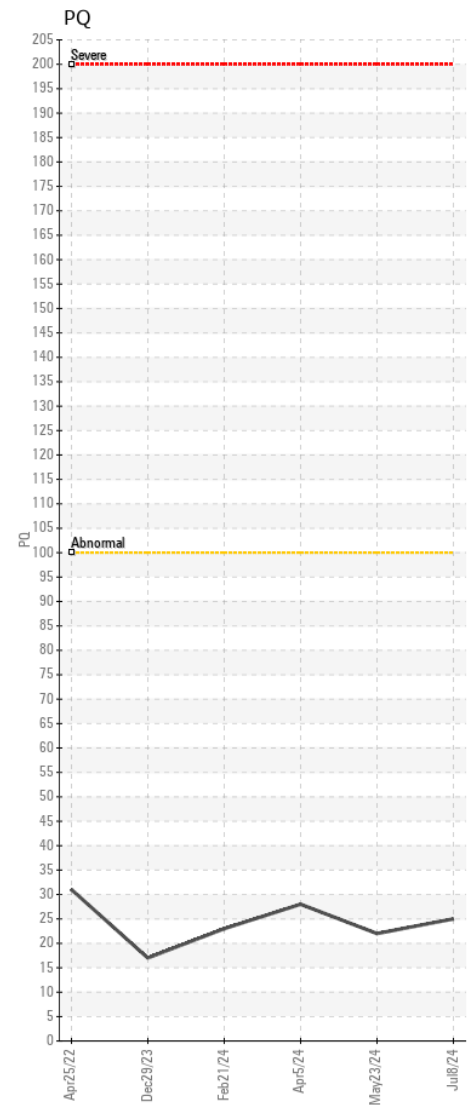
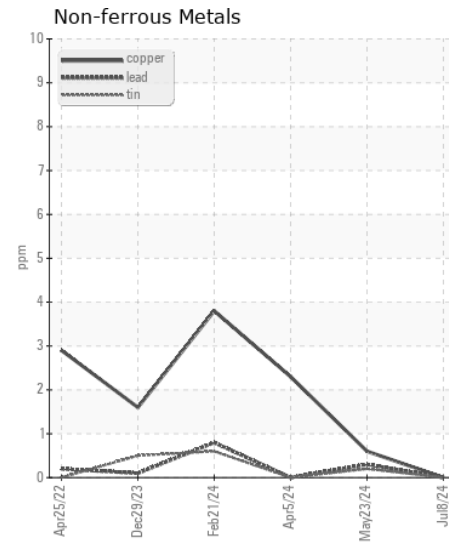
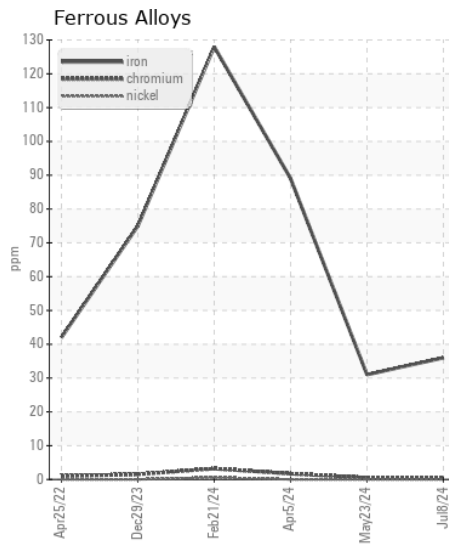
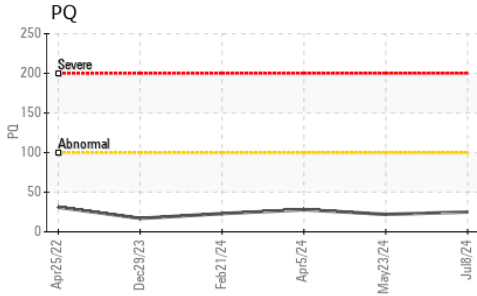
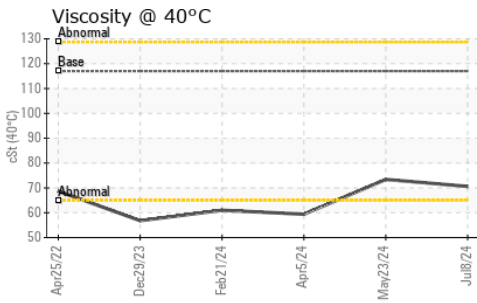
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>10</b>	13	14
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>3</b>	0	0
Boron	ppm	ASTM D5185m		<b>260</b>	311	131
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	2	4
Molybdenum	ppm	ASTM D5185m		<b>233</b>	241	120
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>698</b>	721	274
Calcium	ppm	ASTM D5185m		<b>1493</b>	1446	2270
Phosphorus	ppm	ASTM D5185m		<b>941</b>	991	1152
Zinc	ppm	ASTM D5185m		<b>958</b>	1028	977
Sulfur	ppm	ASTM D5185m		<b>3799</b>	4042	5547
Visc @ 40°C	cSt	ASTM D445	117	<b>70.6</b>	73.4	59.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225485 **Received** : 09 Jul 2024  
**Lab Number** : 06231632 **Tested** : 10 Jul 2024  
**Unique Number** : 11115125 **Diagnosed** : 10 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**PLEASANT CONSTRUCTION INC**  
 24024 FREDERICK RD  
 CLARKSBURG, MD  
 US 20871  
 Contact: HERBIE TRENT

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)

T: (301)502-0163

F: