



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

Area  
**[WO46075]**  
 Machine Id  
**EPIROC D65-10F TMG20SED0067**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197393</b>	JR0181541	JR0163737
Sample Date		Client Info		<b>22 Dec 2023</b>	17 Aug 2023	30 Mar 2023
Machine Age	hrs	Client Info		<b>4587</b>	4126	3647
Oil Age	hrs	Client Info		<b>0</b>	4126	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>60</b>	13	70
Iron	ppm	ASTM D5185m	>500	<b>79</b>	<1	64
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	3	2
Lead	ppm	ASTM D5185m	>25	<b>32</b>	3	26
Copper	ppm	ASTM D5185m	>50	<b>21</b>	5	19
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	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

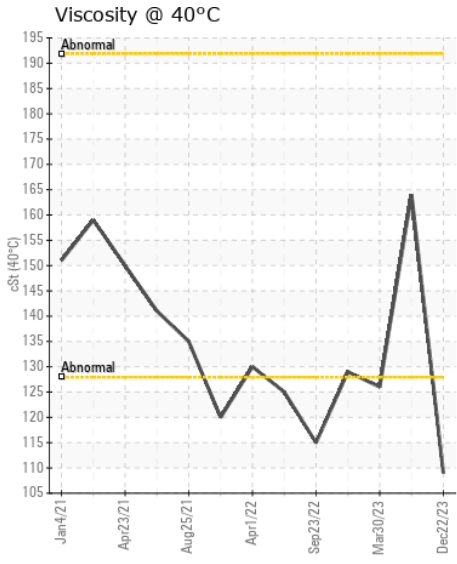
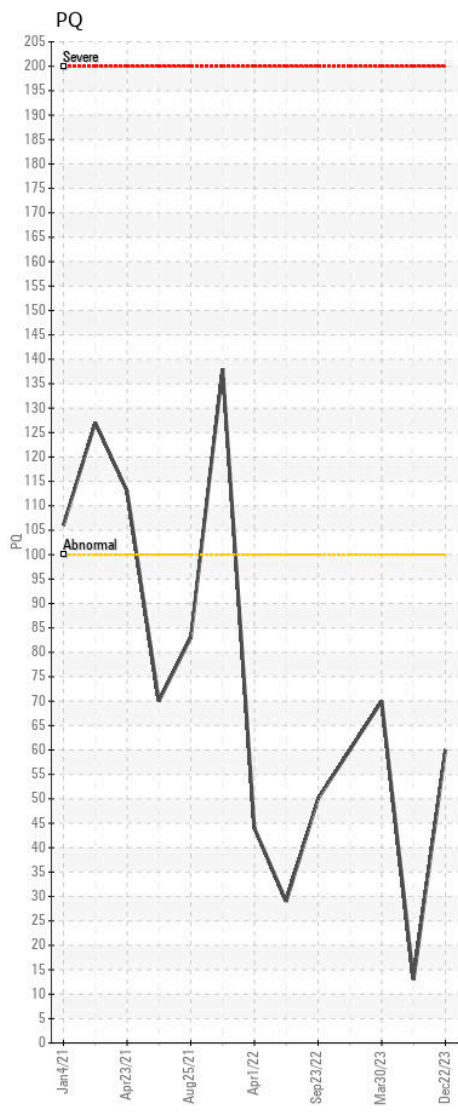
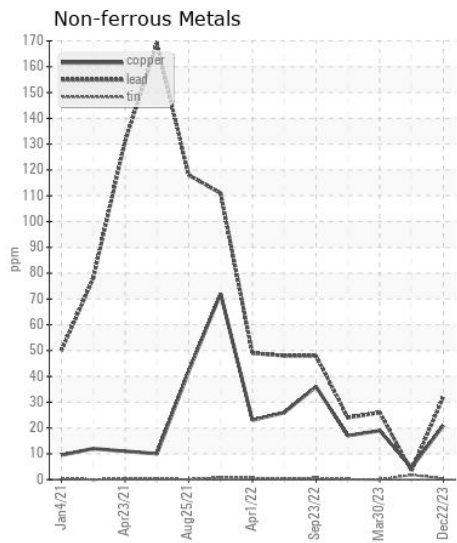
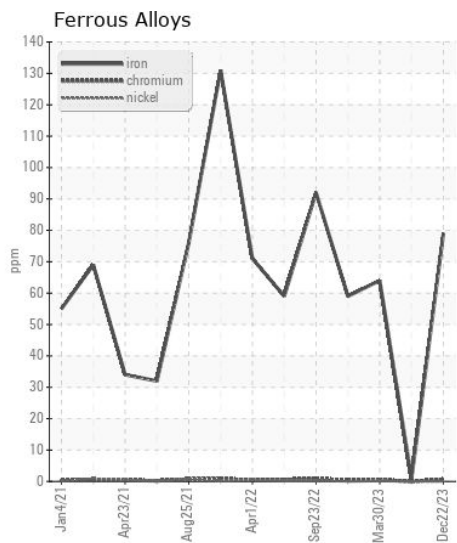
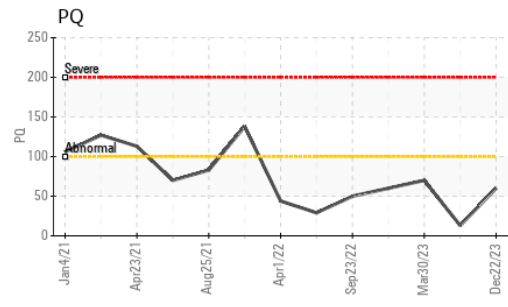
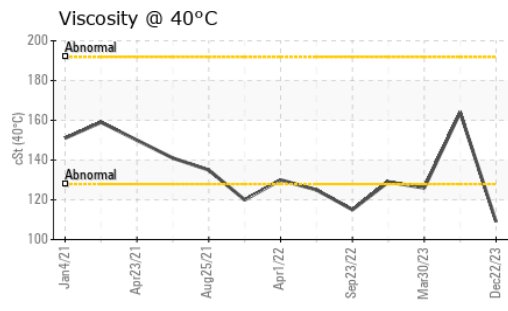
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>7</b>	4	9
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	5	<1
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>1</b>	7	1
Boron	ppm	ASTM D5185m		<b>58</b>	131	101
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	4	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	2	1
Magnesium	ppm	ASTM D5185m		<b>2</b>	169	10
Calcium	ppm	ASTM D5185m		<b>25</b>	11	6
Phosphorus	ppm	ASTM D5185m		<b>843</b>	1846	907
Zinc	ppm	ASTM D5185m		<b>35</b>	0	31
Sulfur	ppm	ASTM D5185m		<b>14168</b>	33284	19967
Visc @ 40°C	cSt	ASTM D445		<b>109</b>	164	126



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197393 **Received** : 12 Jan 2024  
**Lab Number** : 06059561 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10830943 **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**WAKE STONE CORP**  
 6811 HWY 64 EAST  
 KNIGHTDALE, NC  
 US 27545  
 Contact: PAUL SPRUILL  
 paulspruill@wakestonecorp.com

Certificate L2367  
 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)