



Machine Id  
**VOLVO A30G C296862 (S/N A30G742386)**  
Component  
**Middle Differential**  
Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220050</b>	JR0192864	JR0188112
Sample Date		Client Info		<b>03 Jul 2024</b>	20 Feb 2024	26 Oct 2023
Machine Age	hrs	Client Info		<b>7570</b>	7009	569
Oil Age	hrs	Client Info		<b>7570</b>	7009	6035
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ATTENTION	ATTENTION

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>85</b>	85	9
Iron	ppm	ASTM D5185m	>900	<b>150</b>	148	2
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	2	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	2	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>150	<b>8</b>	9	<1
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

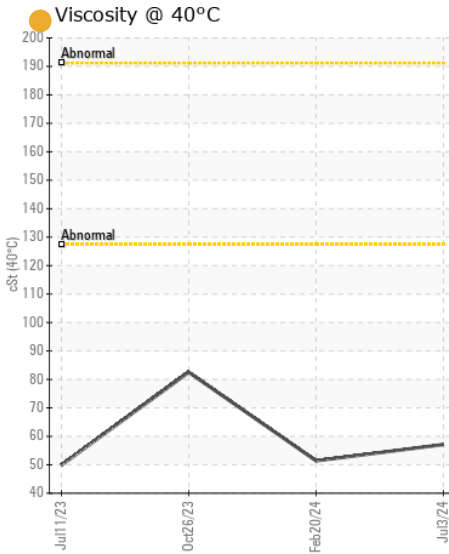
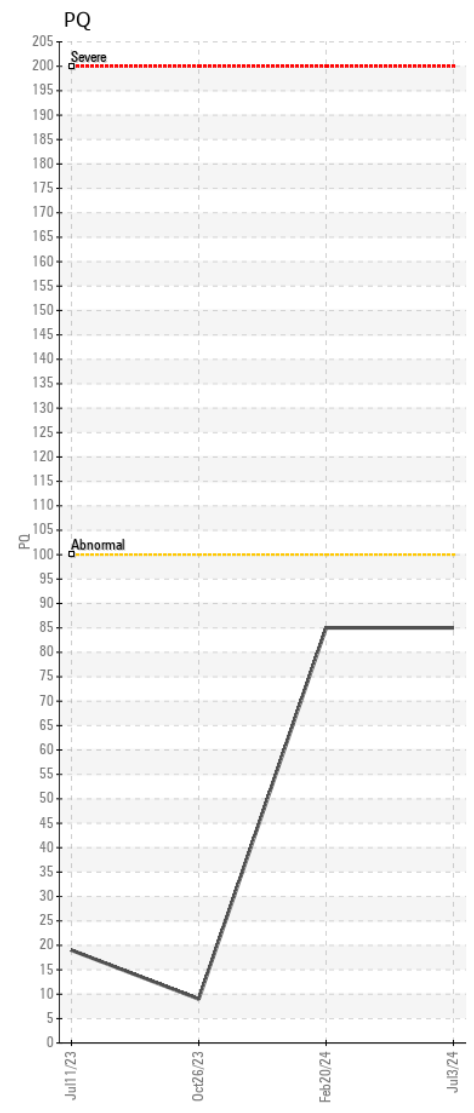
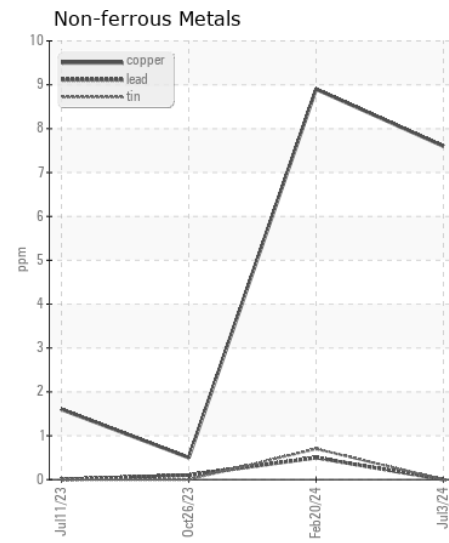
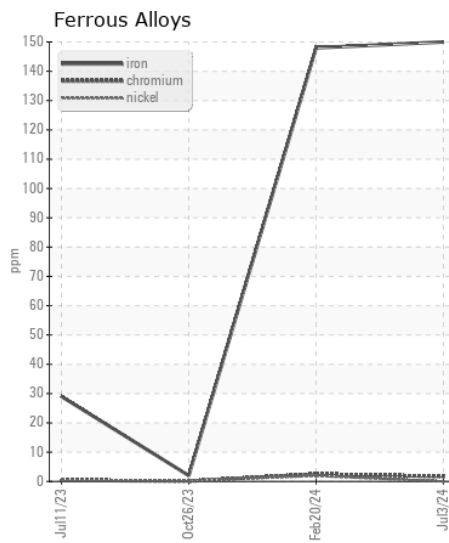
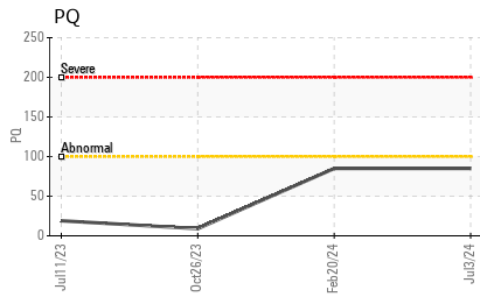
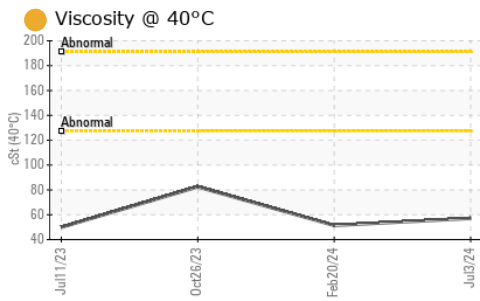
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>4</b>	5	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</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 oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>3</b>	0	0
Boron	ppm	ASTM D5185m		<b>228</b>	271	<1
Barium	ppm	ASTM D5185m		<b>0</b>	5	4
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	4	<1
Magnesium	ppm	ASTM D5185m		<b>2</b>	<1	67
Calcium	ppm	ASTM D5185m		<b>66</b>	55	2246
Phosphorus	ppm	ASTM D5185m		<b>2269</b>	2190	1012
Zinc	ppm	ASTM D5185m		<b>32</b>	31	825
Sulfur	ppm	ASTM D5185m		<b>29479</b>	29844	11309
Visc @ 40°C	cSt	ASTM D445		<b>● 57.1</b>	● 51.4	● 82.5



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220050 **Received** : 09 Jul 2024  
**Lab Number** : 06231705 **Tested** : 10 Jul 2024  
**Unique Number** : 11115198 **Diagnosed** : 11 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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)