



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 85G PM061145 (S/N 1FF085GXVGJ018786)

Component
Left 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		JR0221297	JR0170303	JR0137689
Sample Date		Client Info		24 Jun 2024	08 Aug 2023	17 Aug 2022
Machine Age	hrs	Client Info		4508	3971	3379
Oil Age	hrs	Client Info		3971	0	0
Filter Age	hrs	Client Info		3971	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	931	994	3655
Iron	ppm	ASTM D5185m	>750	579	901	▲ 1995
Chromium	ppm	ASTM D5185m	>9	4	6	▲ 13
Nickel	ppm	ASTM D5185m	>10	1	3	3
Titanium	ppm	ASTM D5185m		<1	2	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	4	10	● 24
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	2	4	10
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	HEAVY	HEAVY	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

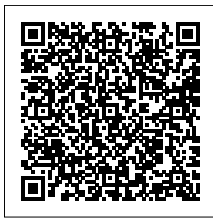
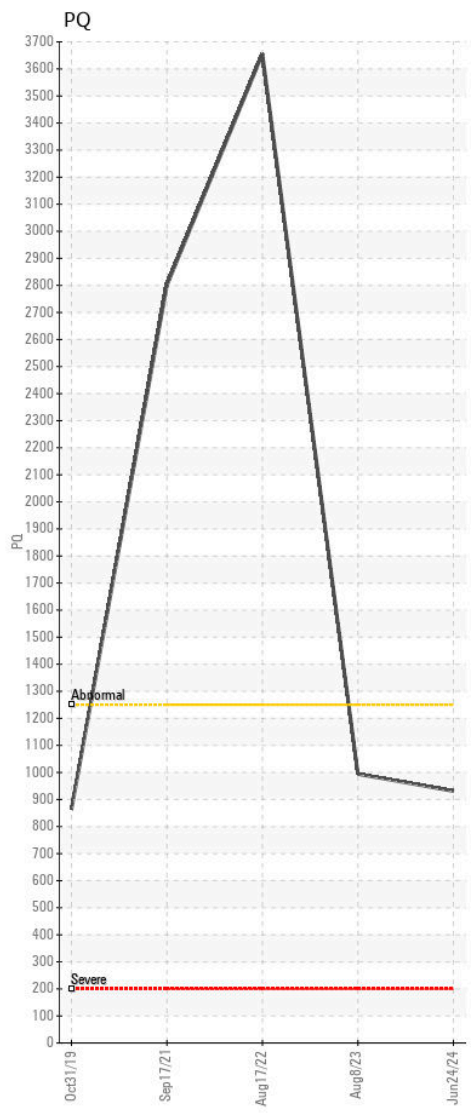
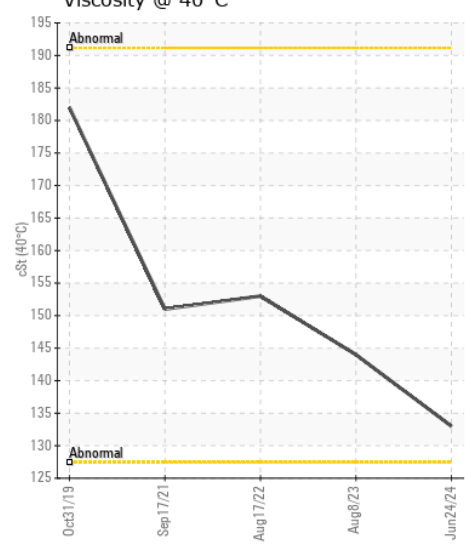
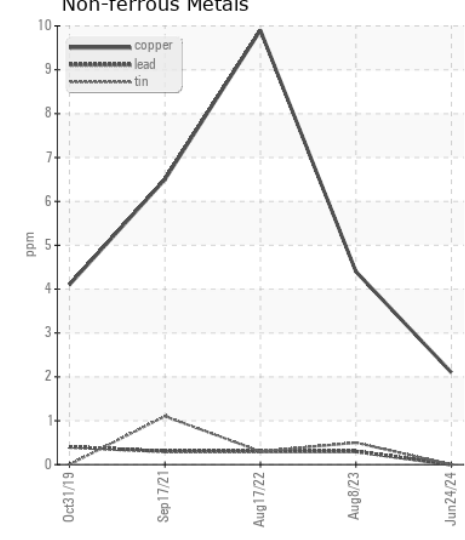
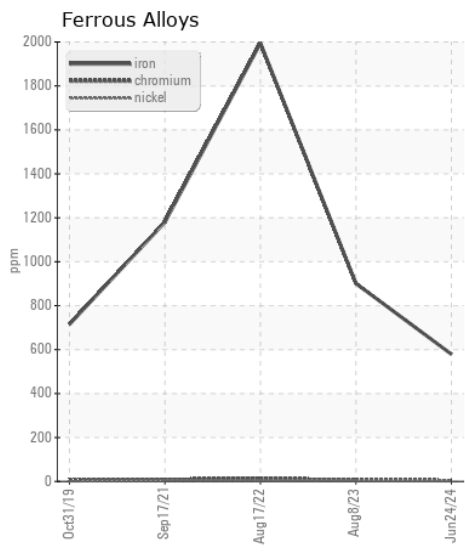
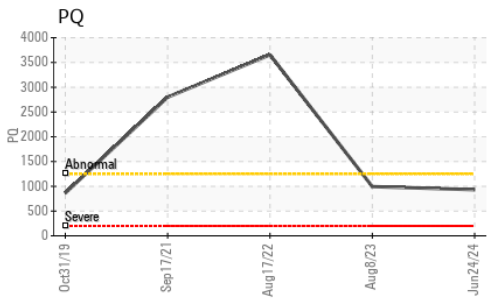
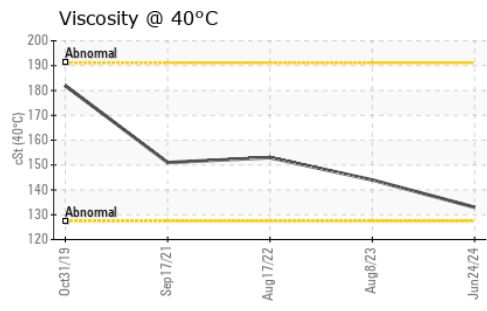
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	29	48	▲ 104
Potassium	ppm	ASTM D5185m	>20	2	4	5
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	0.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	2	0
Boron	ppm	ASTM D5185m		7	18	27
Barium	ppm	ASTM D5185m		5	0	24
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		4	8	16
Magnesium	ppm	ASTM D5185m		2	4	3
Calcium	ppm	ASTM D5185m		9	6	10
Phosphorus	ppm	ASTM D5185m		430	436	303
Zinc	ppm	ASTM D5185m		16	35	83
Sulfur	ppm	ASTM D5185m		23478	21525	16606
Visc @ 40°C	cSt	ASTM D445		133	144	153



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221297 **Received** : 26 Jun 2024
Lab Number : 06221473 **Tested** : 27 Jun 2024
Unique Number : 11099670 **Diagnosed** : 28 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - STEPHENSON
 245 YARDMASTER COURT
 STEPHENSON, VA
 US 22656-1761
 Contact: PHIL DAUGHERTY
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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)