



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W63135]
 Machine Id
JOHN DEERE 470G 1FF470GXAFE471337
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W63135)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0188429	JR0177339	JR0161942
Sample Date		Client Info		16 Jan 2024	16 Aug 2023	18 Apr 2023
Machine Age	hrs	Client Info		10095	9557	8986
Oil Age	hrs	Client Info		8974	9007	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	67	60	12
Iron	ppm	ASTM D5185m	>750	170	154	6
Chromium	ppm	ASTM D5185m	>9	3	3	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	6	6	0
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	4	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

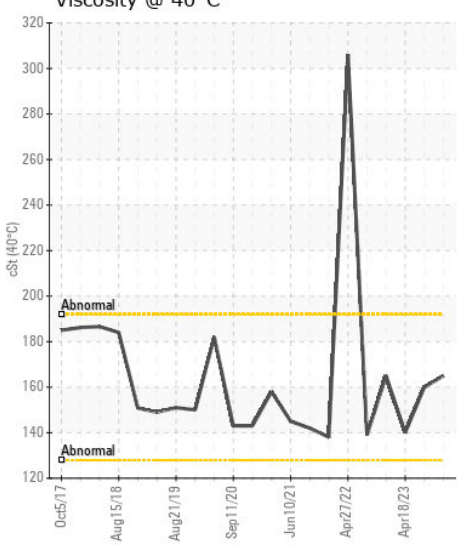
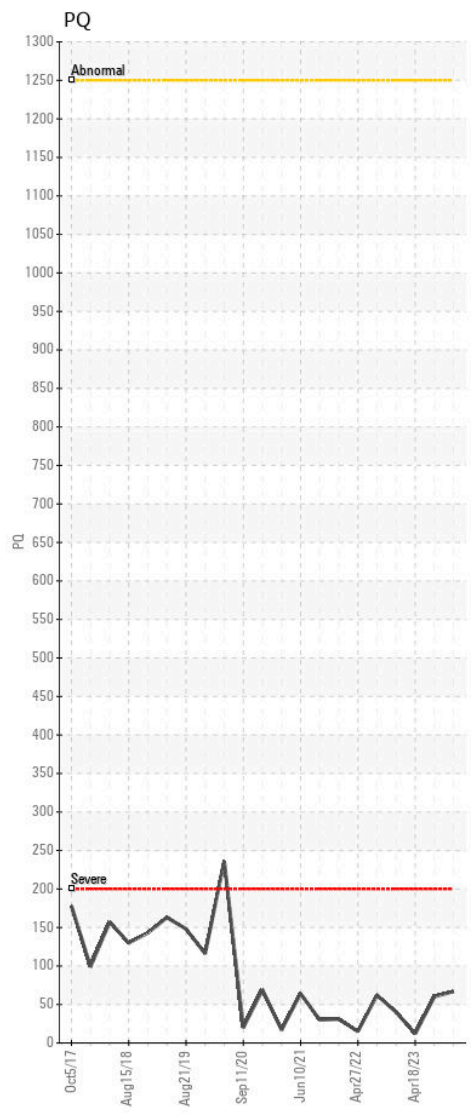
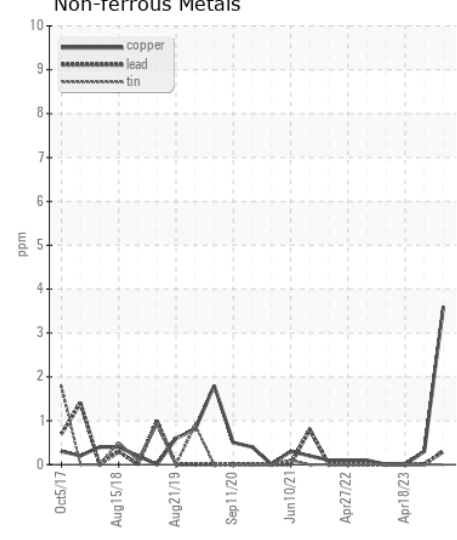
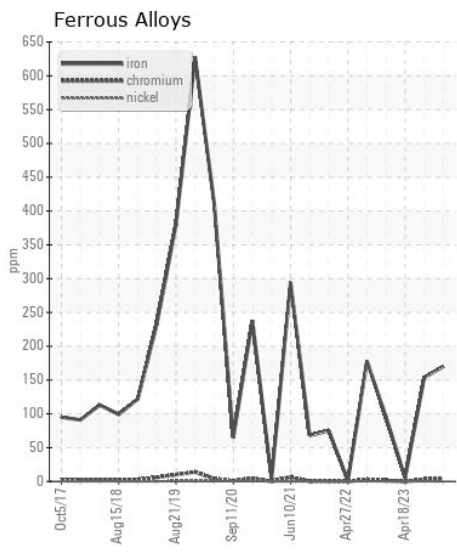
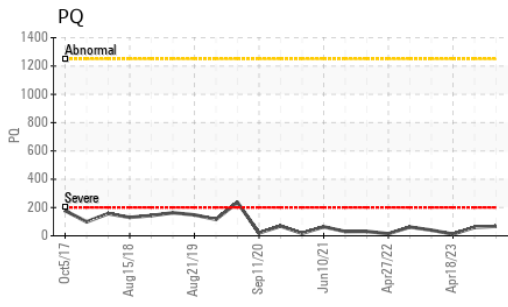
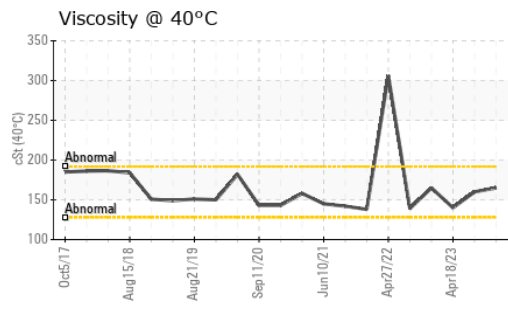
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	21	20	2
Potassium	ppm	ASTM D5185m	>20	4	4	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	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	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	1	<1	0
Boron	ppm	ASTM D5185m		17	20	41
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		2	2	0
Magnesium	ppm	ASTM D5185m		5	3	<1
Calcium	ppm	ASTM D5185m		91	12	2
Phosphorus	ppm	ASTM D5185m		755	734	774
Zinc	ppm	ASTM D5185m		25	14	0
Sulfur	ppm	ASTM D5185m		21971	23023	20203
Visc @ 40°C	cSt	ASTM D445		165	160	140



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0188429 **Received** : 18 Jan 2024
Lab Number : 06064535 **Diagnosed** : 21 Jan 2024
Unique Number : 10835917 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com
 T: (704)597-0211
 F: (704)596-6198

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)