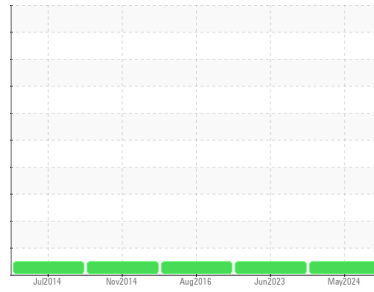


OIL ANALYSIS REPORT



Machine Id
JOHN DEERE 470GLC 1FF470GXJCE470633
 Component
Right Swing Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0212131	JR0165440	JRMC406302
Sample Date	Client Info		16 May 2024	08 Jun 2023	17 Aug 2016
Machine Age	hrs	Client Info	9011	7807	3735
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		35	32	11.0
Iron	ppm	ASTM D5185m >151	106	132	49
Chromium	ppm	ASTM D5185m >11	1	2	<1
Nickel	ppm	ASTM D5185m >10	0	0	<1
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >21	2	5	<1
Lead	ppm	ASTM D5185m >51	0	0	1
Copper	ppm	ASTM D5185m >51	<1	1	<1
Tin	ppm	ASTM D5185m >10	0	0	5
Antimony	ppm	ASTM D5185m >5	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

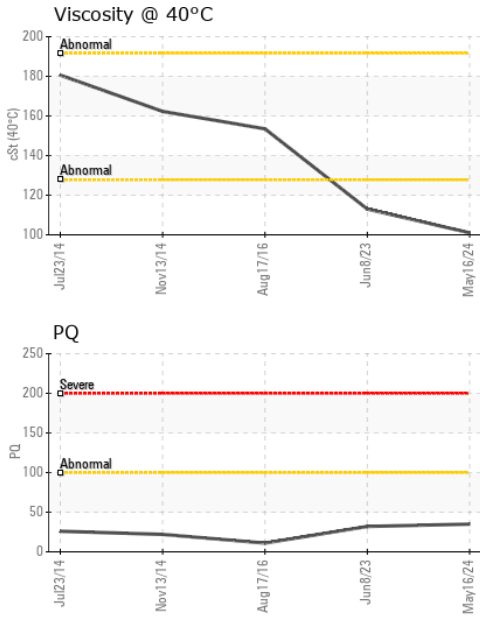
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	117	44	52
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	1	<1	0
Manganese	ppm	ASTM D5185m	1	2	1
Magnesium	ppm	ASTM D5185m	7	7	2
Calcium	ppm	ASTM D5185m	818	705	21
Phosphorus	ppm	ASTM D5185m	1124	1838	1493
Zinc	ppm	ASTM D5185m	272	235	45
Sulfur	ppm	ASTM D5185m	17871	22971	18479

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >31	10	23	9
Sodium	ppm	ASTM D5185m >51	<1	3	4
Potassium	ppm	ASTM D5185m >20	<1	2	2

OIL ANALYSIS REPORT

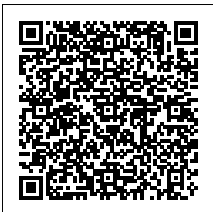
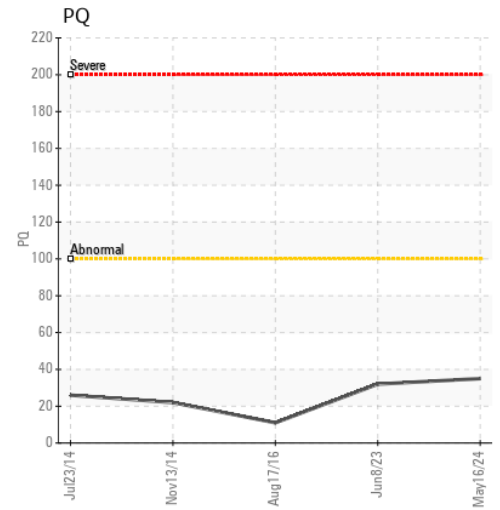
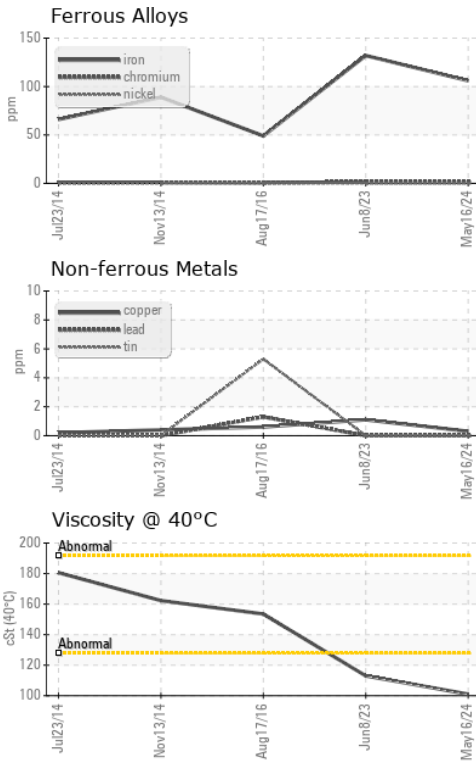


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	101	113	153.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212131 **Received** : 20 May 2024
Lab Number : **06184579** **Tested** : 21 May 2024
Unique Number : 11035905 **Diagnosed** : 22 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292

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)