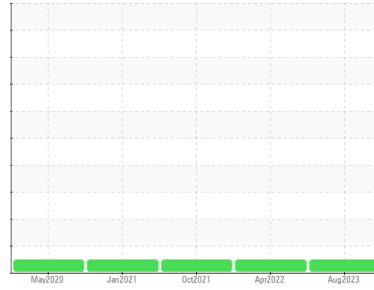


Machine Id
HITACHI 300LC 1FFDDR70TKF840603
 Component
Swing Drive Gear Case
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)


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			JR0167111	JR0129276	JR0101937
Sample Date	Client Info			22 Aug 2023	27 Apr 2022	20 Oct 2021
Machine Age	hrs	Client Info		3541	1972	1483
Oil Age	hrs	Client Info		500	500	0
Oil Changed	Client Info			N/A	Changed	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

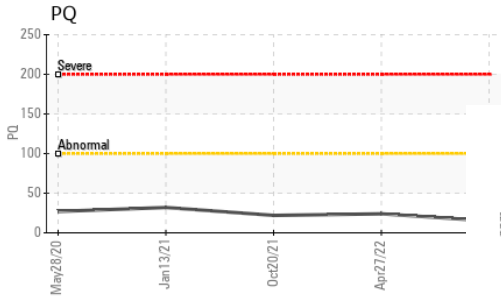
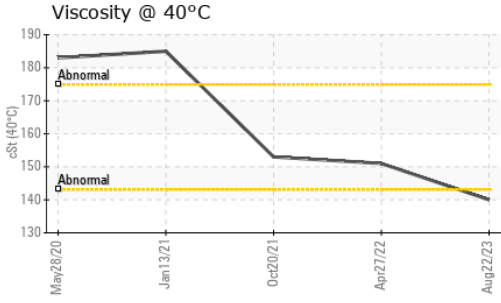
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	24	22
Iron	ppm	ASTM D5185m	>200	21	46	109
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m		1	<1	8
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m		0	0	0
Antimony	ppm	ASTM D5185m	>5	---	---	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		10	19	21
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m		15	0	2
Calcium	ppm	ASTM D5185m		23	5	7
Phosphorus	ppm	ASTM D5185m		350	471	368
Zinc	ppm	ASTM D5185m		12	2	0
Sulfur	ppm	ASTM D5185m		21872	17098	16158

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		5	8	25
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

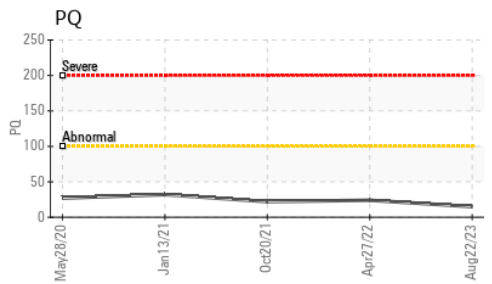
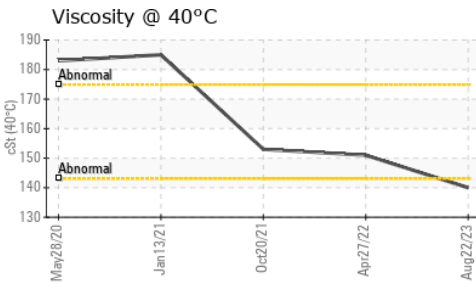
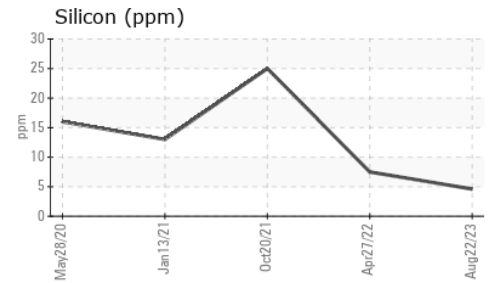
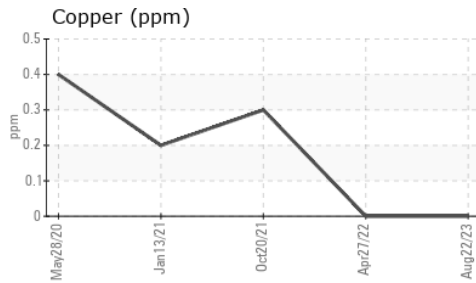
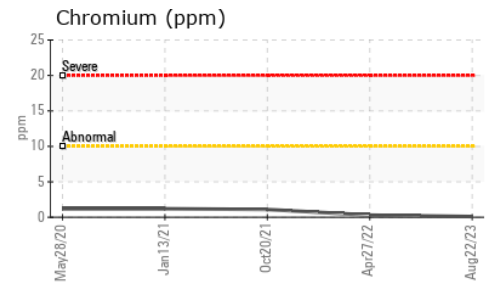
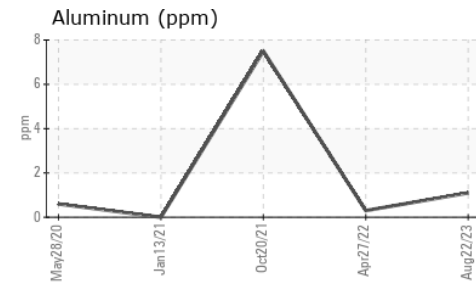
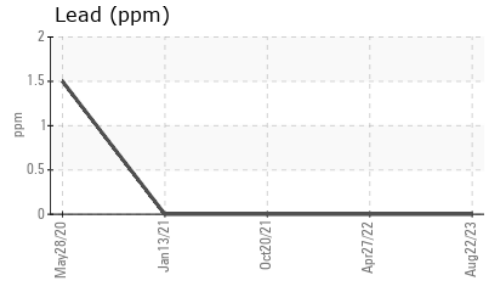
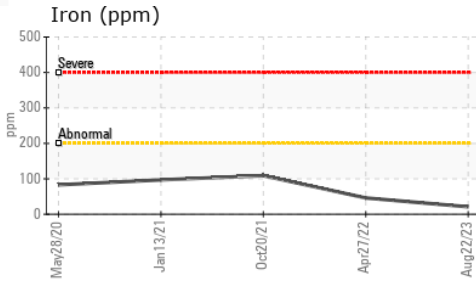
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	140	151	153

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0167111 **Received** : 23 Aug 2023
Lab Number : 05932984 **Diagnosed** : 25 Aug 2023
Unique Number : 10618255 **Diagnostician** : Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

JRE - FISHERSVILLE
 98 EXPO ROAD
 FISHERSVILLE, VA
 US 22939

Contact: MIKE JENKINS
 MIKE.JENKINS@JAMESRIVEREQUIPMENT.COM
 T: (540)292-3494
 F: (540)337-1495

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)