



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W67089]

Machine Id
HITACHI 250LC 1FFDC270VKF440229

Component
Left Final Drive

Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W67089)

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

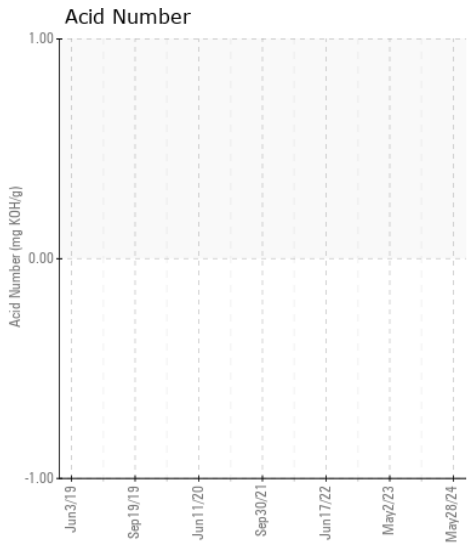
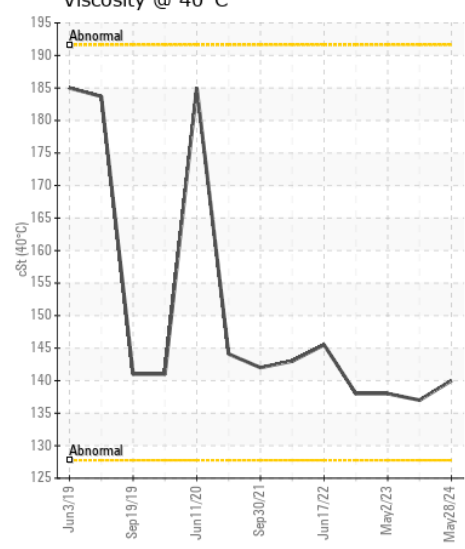
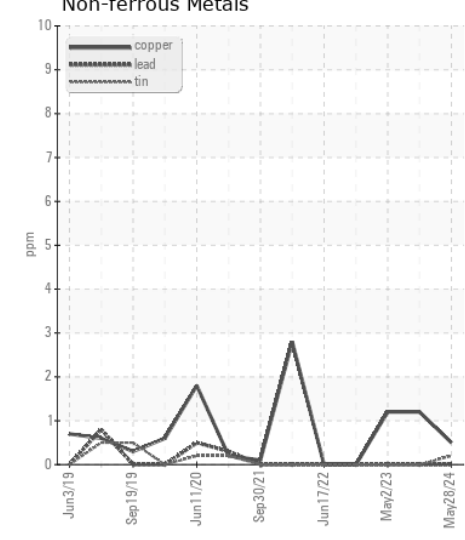
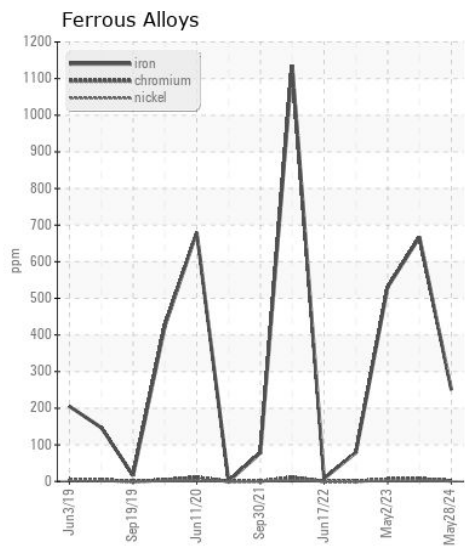
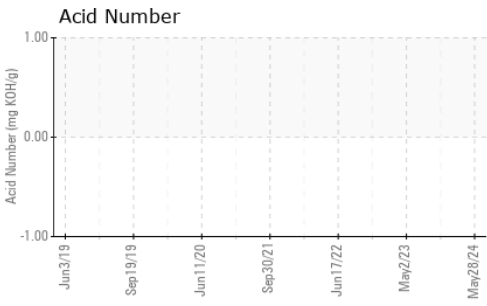
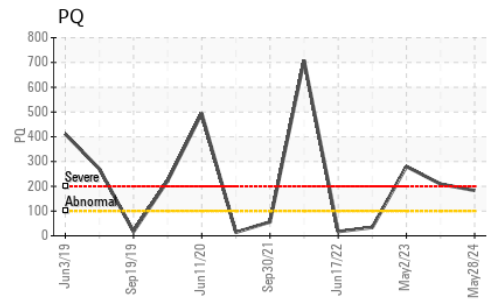
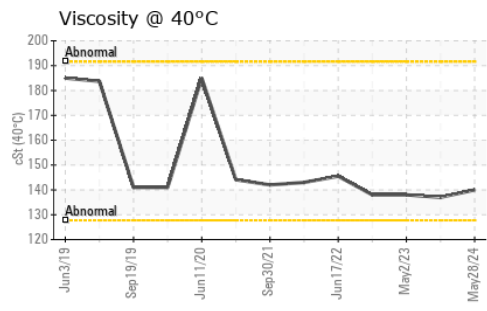
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215582	JR0178062	JR0161844
Sample Date		Client Info		28 May 2024	07 Sep 2023	02 May 2023
Machine Age	hrs	Client Info		6448	6010	5466
Oil Age	hrs	Client Info		5904	544	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		183	209	280
Iron	ppm	ASTM D5185m	>500	250	▲ 667	▲ 531
Chromium	ppm	ASTM D5185m	>10	2	7	6
Nickel	ppm	ASTM D5185m	>10	<1	2	2
Titanium	ppm	ASTM D5185m		1	2	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	17	● 32	● 32
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	1	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	50	▲ 102	▲ 89
Potassium	ppm	ASTM D5185m	>20	<1	4	5
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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

Sodium	ppm	ASTM D5185m		1	5	2
Boron	ppm	ASTM D5185m		7	6	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		3	6	5
Magnesium	ppm	ASTM D5185m		6	0	5
Calcium	ppm	ASTM D5185m		61	10	25
Phosphorus	ppm	ASTM D5185m		409	360	337
Zinc	ppm	ASTM D5185m		14	0	12
Sulfur	ppm	ASTM D5185m		23186	21580	19812
Visc @ 40°C	cSt	ASTM D445		140	137	138



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215582
Lab Number : 06195677
Unique Number : 11057800
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN, TAN Ma

Received : 30 May 2024
Tested : 03 Jun 2024
Diagnosed : 03 Jun 2024 - Don Baldrige

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

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)