



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W68412]
 Machine Id
A30G753396
 Component
Middle Differential
 Fluid
JOHN DEERE GL-5 80W90 (5 GAL)

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W68412)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220383	JR0205596	JR0178423
Sample Date		Client Info		08 Jul 2024	14 Mar 2024	30 Aug 2023
Machine Age	hrs	Client Info		1894	1368	565
Oil Age	hrs	Client Info		526	1368	565
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		153	264	207
Iron	ppm	ASTM D5185m	>500	112	295	261
Chromium	ppm	ASTM D5185m	>10	2	5	6
Nickel	ppm	ASTM D5185m	>10	0	3	3
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	<1
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>100	6	21	16
Tin	ppm	ASTM D5185m	>10	0	<1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

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

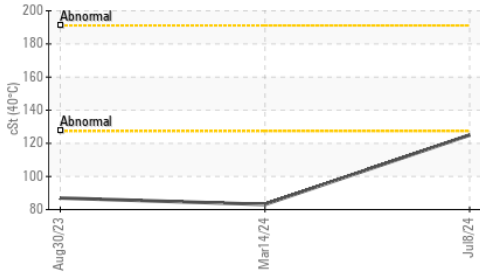
Silicon	ppm	ASTM D5185m	>75	2	5	6
Potassium	ppm	ASTM D5185m	>20	<1	6	5
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	LIGHT
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

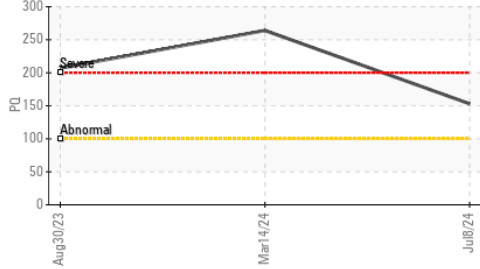
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	0	2
Boron	ppm	ASTM D5185m		48	251	316
Barium	ppm	ASTM D5185m		<1	5	<1
Molybdenum	ppm	ASTM D5185m		2	9	9
Manganese	ppm	ASTM D5185m		3	9	13
Magnesium	ppm	ASTM D5185m		2	4	6
Calcium	ppm	ASTM D5185m		189	1028	924
Phosphorus	ppm	ASTM D5185m		520	1283	1379
Zinc	ppm	ASTM D5185m		77	435	386
Sulfur	ppm	ASTM D5185m		19577	19913	23811
Visc @ 40°C	cSt	ASTM D445		125	83.1	87.0

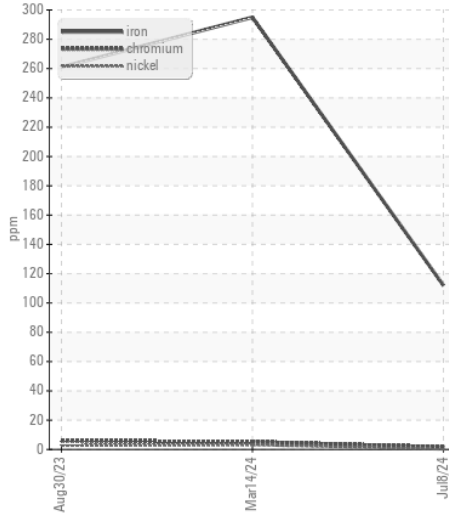
Viscosity @ 40°C



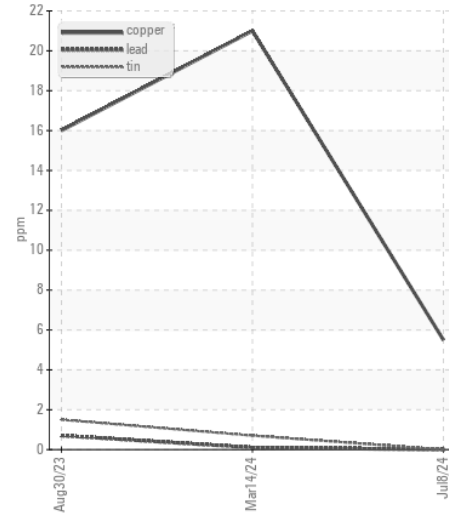
PQ



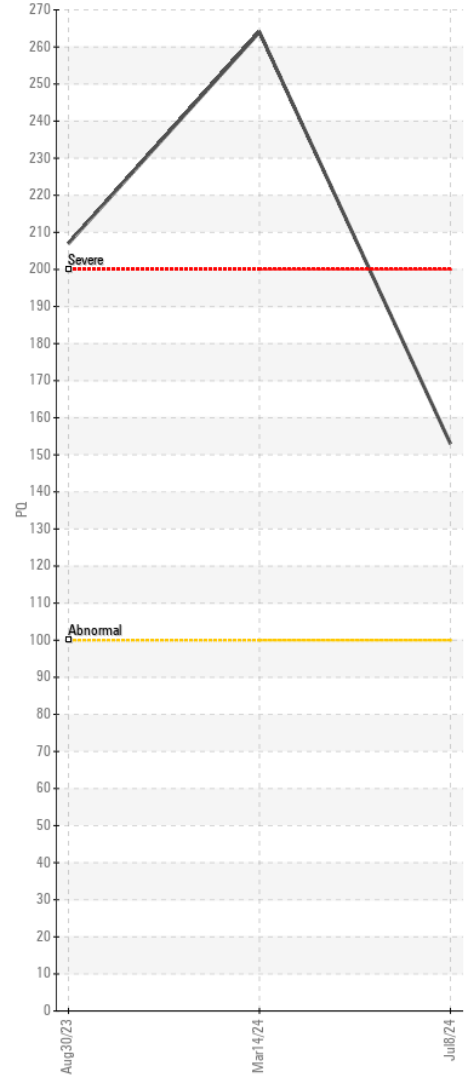
Ferrous Alloys



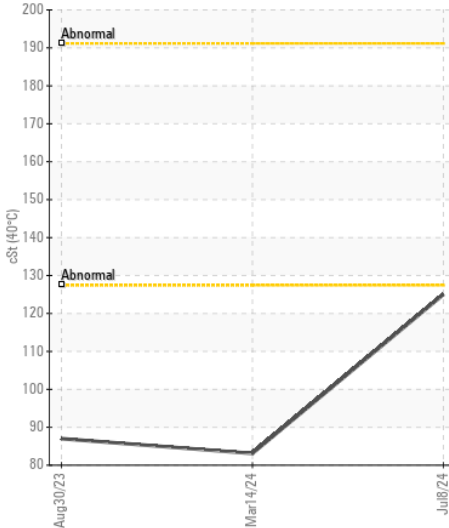
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220383 **Received** : 10 Jul 2024
Lab Number : 06232459 **Tested** : 11 Jul 2024
Unique Number : 11115952 **Diagnosed** : 11 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com

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)

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