MOB

James River Equipment

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[MURPHYS EXC]
Machine Id
JOHN DEERE 300G 3602212 (S/N 1TT300GXAGF730338)
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

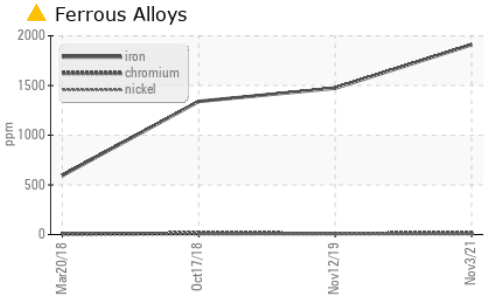
CONTAMINATION

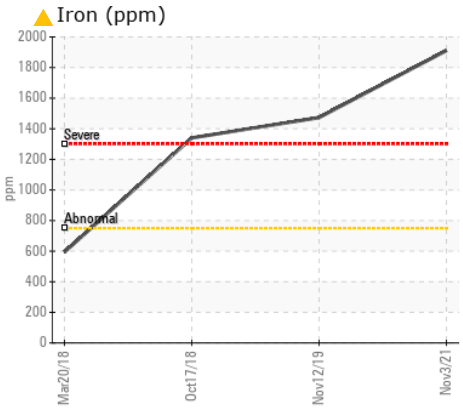
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

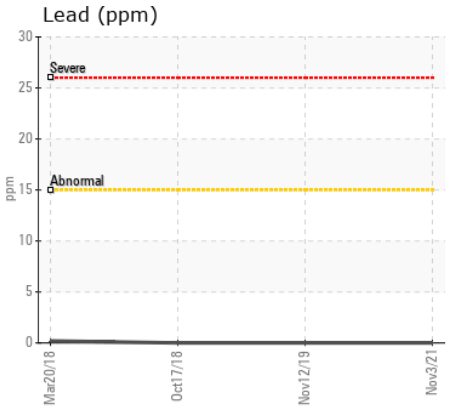
FLUID CONDITION

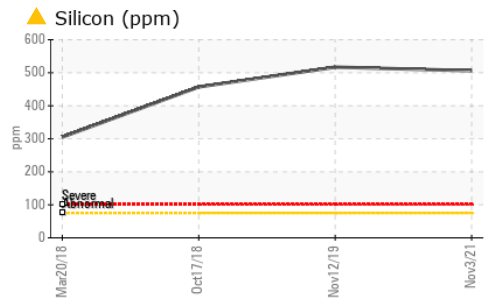
The condition of the oil is acceptable for the time in service.

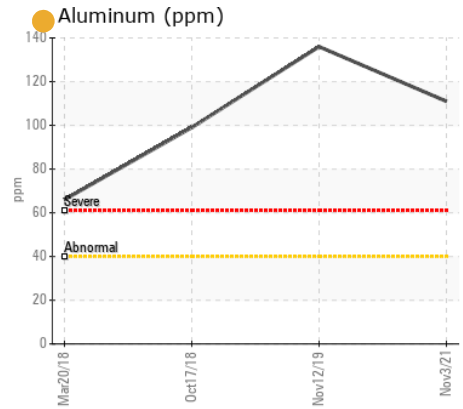
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0104513	JR0021206	JRMC449914
Sample Date		Client Info		03 Nov 2021	12 Nov 2019	17 Oct 2018
Machine Age	hrs	Client Info		3017	2094	1501
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>1250	626	368	823
Iron	ppm	ASTM D5185m	>750	▲ 1911	▲ 1473	▲ 1340
Chromium	ppm	ASTM D5185m	>9	▲ 13	▲ 11	▲ 13
Nickel	ppm	ASTM D5185m		3	4	3
Titanium	ppm	ASTM D5185m		12	13	10
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 111	● 136	● 99
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	3	2	2
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	LIGHT	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 506	▲ 517	▲ 457
Potassium	ppm	ASTM D5185m	>20	46	53	40
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	▲ 0.2%	NEG
Sodium	ppm	ASTM D5185m	>51	3	5	4
Boron	ppm	ASTM D5185m		41	133	48
Barium	ppm	ASTM D5185m		2	3	4
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		12	12	13
Magnesium	ppm	ASTM D5185m		14	12	8
Calcium	ppm	ASTM D5185m		29	23	16
Phosphorus	ppm	ASTM D5185m		338	799	451
Zinc	ppm	ASTM D5185m		18	22	24
Sulfur	ppm	ASTM D5185m		23728	14892	15075
Visc @ 40°C	cSt	ASTM D445		154	155	181.7

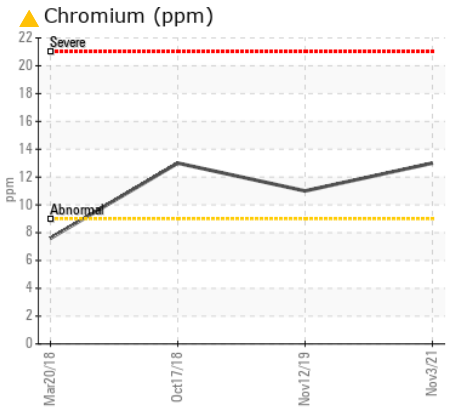


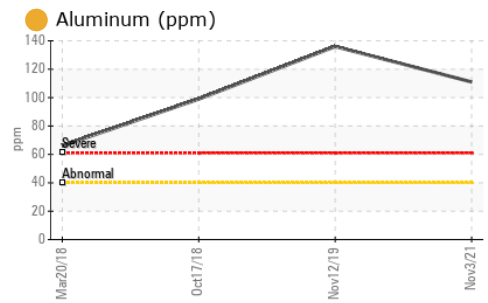


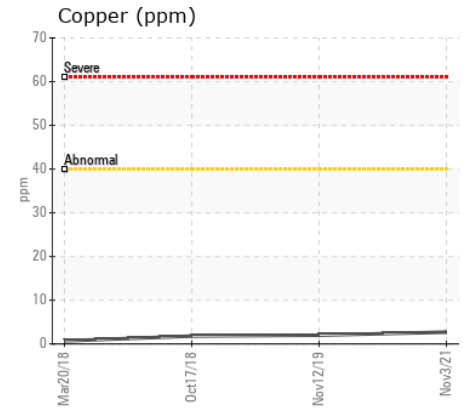


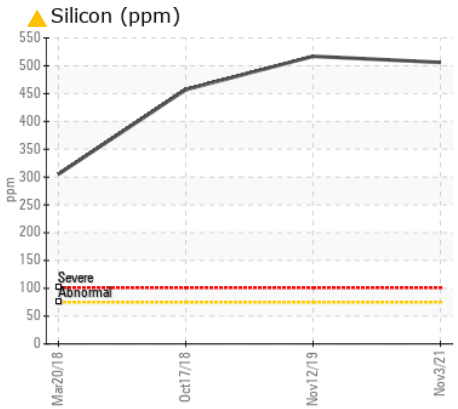


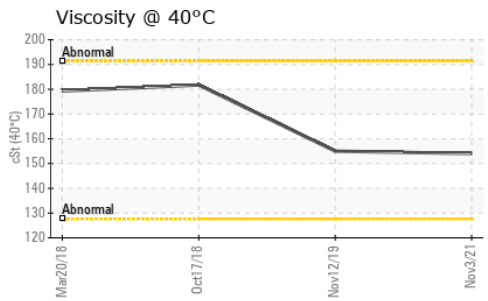


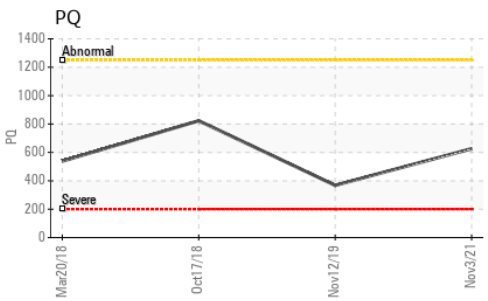


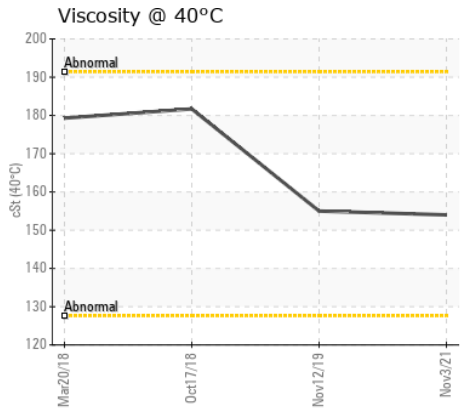


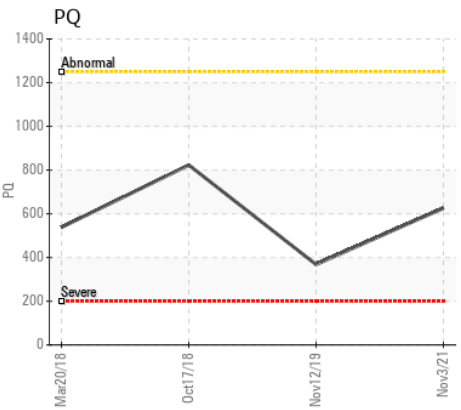












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0104513
Lab Number : 05394959
Unique Number : 9734109
Test Package : MOBCE (Additional Tests: KV100, PQ, VI)

Received : 08 Nov 2021
Tested : 11 Nov 2021
Diagnosed : 11 Nov 2021 - Jonathan Hester

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)

JRE - STEPHENSON
245 YARDMASTER COURT
STEPHENSON, VA
US 22656-1761
Contact: PHIL DAUGHERTY
pdaugherty@jamesriverequipment.com
T: x:
F: (540)693-2588