



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[7937]

Machine Id

JOHN DEERE 210G 3601411 (S/N 520918)

Component

Pump Drive

Fluid

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

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 7937)

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental level of silicon (Si) above normal.

FLUID CONDITION

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

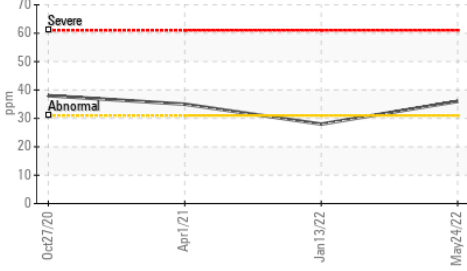
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0130630	JR0033739	JR0078865
Sample Date		Client Info		24 May 2022	13 Jan 2022	01 Apr 2021
Machine Age	hrs	Client Info		10484	9975	9036
Oil Age	hrs	Client Info		509	939	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		46	45	57
Iron	ppm	ASTM D5185m	>151	116	163	221
Chromium	ppm	ASTM D5185m	>11	<1	2	3
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>21	5	4	4
Lead	ppm	ASTM D5185m	>51	0	<1	0
Copper	ppm	ASTM D5185m	>51	0	1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

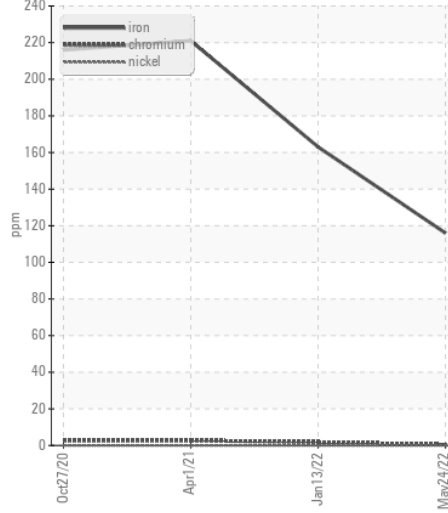
Silicon	ppm	ASTM D5185m	>31	▲ 36	28	35
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m	>51	2	0	3
Boron	ppm	ASTM D5185m		157	84	27
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	2	13
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m		0	9	48
Calcium	ppm	ASTM D5185m		15	79	87
Phosphorus	ppm	ASTM D5185m		923	1378	1670
Zinc	ppm	ASTM D5185m		9	57	89
Sulfur	ppm	ASTM D5185m		18265	21198	20414
Visc @ 40°C	cSt	ASTM D445		152	158	141

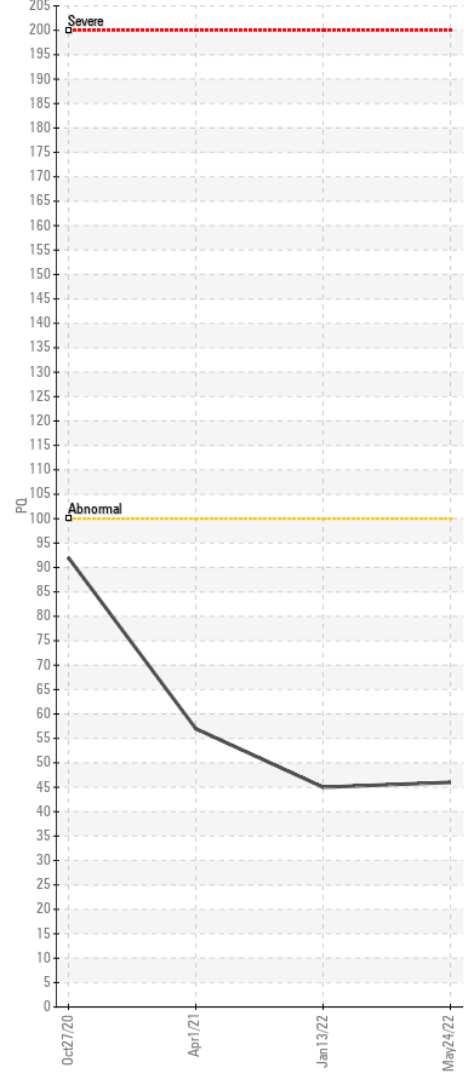
▲ Silicon (ppm)



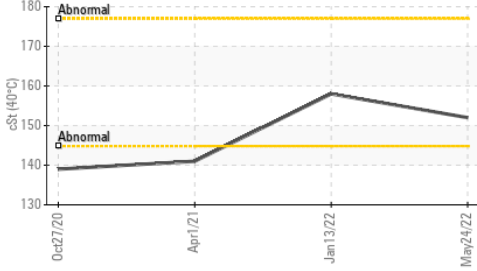
Ferrous Alloys



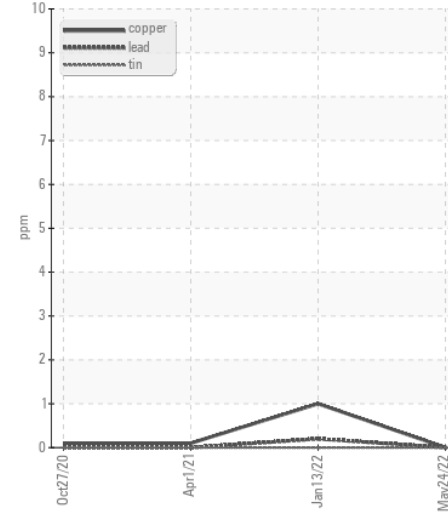
PQ



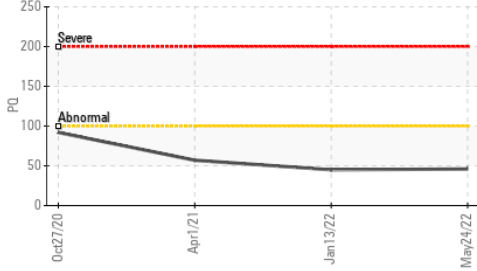
Viscosity @ 40°C



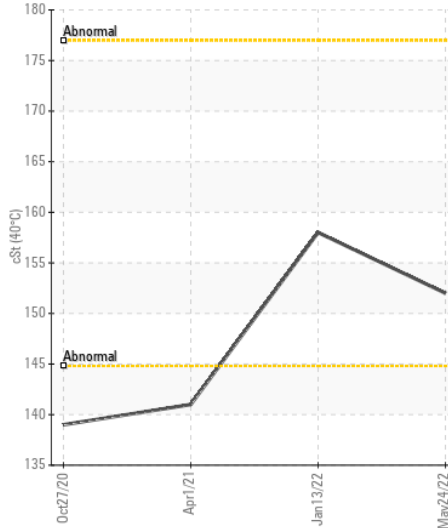
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0130630

Lab Number : 05555123

Unique Number : 9994511

Test Package : CONST (Additional Tests: PQ)

Received : 26 May 2022

Tested : 27 May 2022

Diagnosed : 29 May 2022 - Don Baldrige

JRE - NEW BERN
3816 MARTIN LUTHER KING BLVD
NEW BERN, NC
US 28562

Contact: JEFF BROWN
jeff.brown@jamesriverequipment.com

T: (252)638-5838

F: (252)638-2949

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)