James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 290G 1FF290GXPCE705546
Component
Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

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

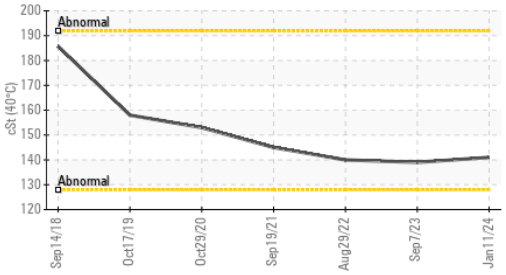
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0194473	JR0187943	JR0138741
Sample Date		Client Info		11 Jan 2024	07 Sep 2023	29 Aug 2022
Machine Age	hrs	Client Info		9612	9127	8088
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		21	14	20
Iron	ppm	ASTM D5185m	>151	22	42	36
Chromium	ppm	ASTM D5185m	>11	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>21	2	0	<1
Lead	ppm	ASTM D5185m	>51	<1	0	<1
Copper	ppm	ASTM D5185m	>51	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	2	4	2
Potassium	ppm	ASTM D5185m	>20	1	0	<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	0	<1	0
Boron	ppm	ASTM D5185m		29	16	20
Barium	ppm	ASTM D5185m		2	0	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		14	0	4
Calcium	ppm	ASTM D5185m		15	8	30
Phosphorus	ppm	ASTM D5185m		555	409	358
Zinc	ppm	ASTM D5185m		0	0	7
Sulfur	ppm	ASTM D5185m		21422	22358	17164
Visc @ 40°C	cSt	ASTM D445		141	139	140

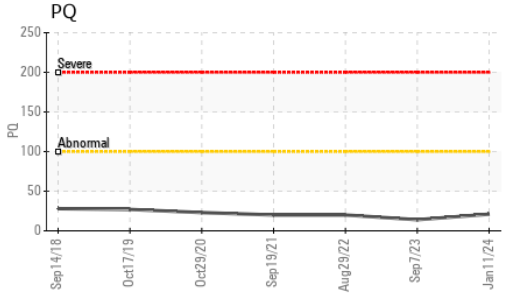
Report Id: JAMGRE [WUSCAR] 06059575 (Generated: 01/16/2024 12:18:48) Rev: 1

Contact/Location: NICK GALLAHER - JAMGRE

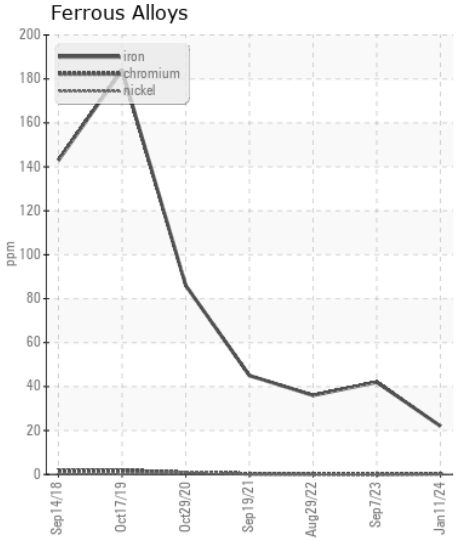
Viscosity @ 40°C



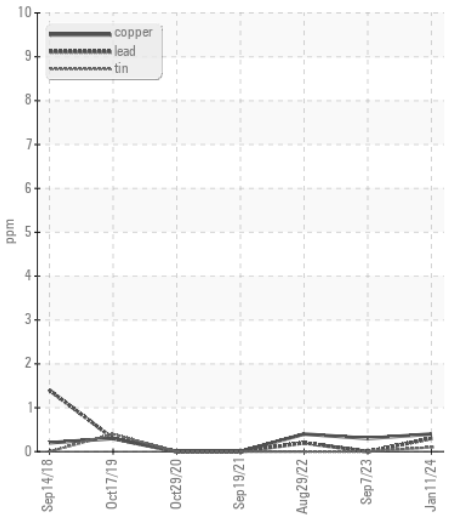
PQ



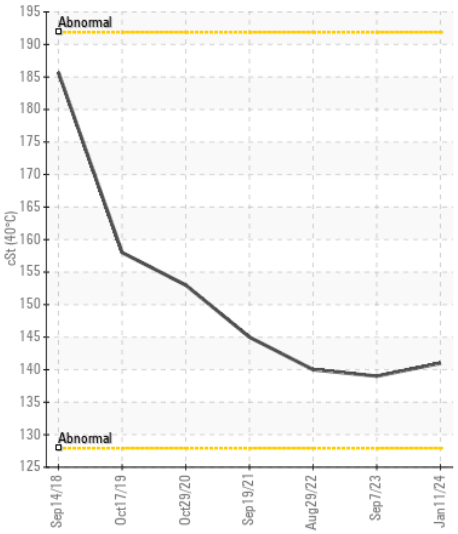
Ferrous Alloys



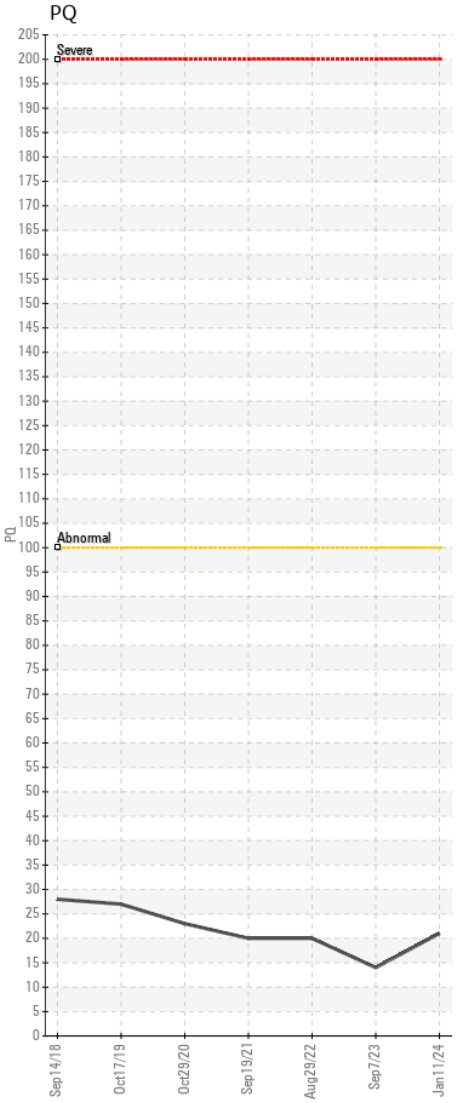
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194473 **Recieved** : 12 Jan 2024
Lab Number : 06059575 **Diagnosed** : 16 Jan 2024
Unique Number : 10830957 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

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 - GREENSBORO
411 SOUTH REGIONAL ROAD
GREENSBORO, NC
US 27409
Contact: NICK GALLAHER
NGALLAHER@JRENET.COM
T: (336)668-2762
F: (336)665-9556