



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[16W15648]
 Machine Id
JOHN DEERE 300G 1FF300GXPHF730608
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15648)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206986	JR0185783	JR0173521
Sample Date		Client Info		23 Feb 2024	03 Nov 2023	12 Aug 2023
Machine Age	hrs	Client Info		6487	6034	5567
Oil Age	hrs	Client Info		453	1987	1520
Filter Age	hrs	Client Info		0	0	1520
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	95	132	171
Iron	ppm	ASTM D5185m	>750	100	289	261
Chromium	ppm	ASTM D5185m	>9	<1	2	2
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	0	3	4
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	0	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

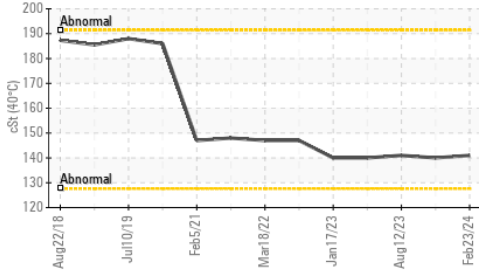
Silicon	ppm	ASTM D5185m	>75	11	35	35
Potassium	ppm	ASTM D5185m	>20	0	0	3
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

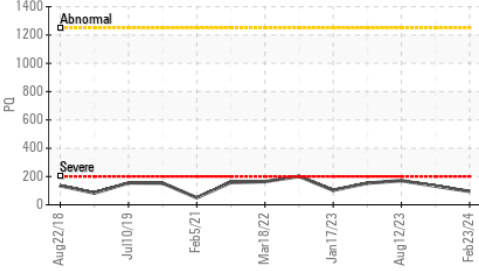
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	0	0
Boron	ppm	ASTM D5185m		6	12	13
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m		0	7	2
Calcium	ppm	ASTM D5185m		11	10	7
Phosphorus	ppm	ASTM D5185m		329	162	337
Zinc	ppm	ASTM D5185m		2	6	8
Sulfur	ppm	ASTM D5185m		19233	17191	19343
Visc @ 40°C	cSt	ASTM D445		141	140	141

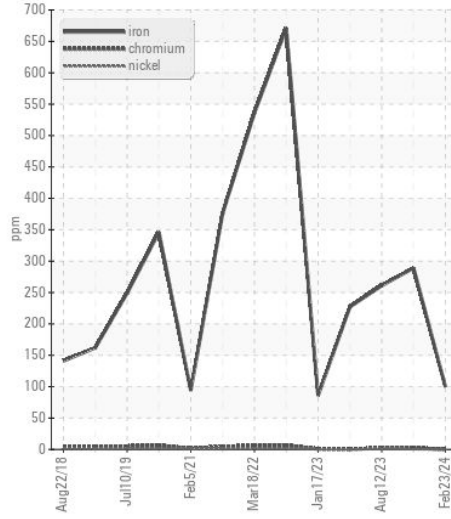
Viscosity @ 40°C



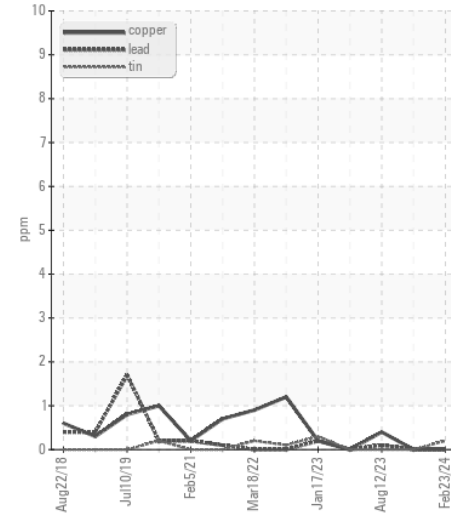
PQ



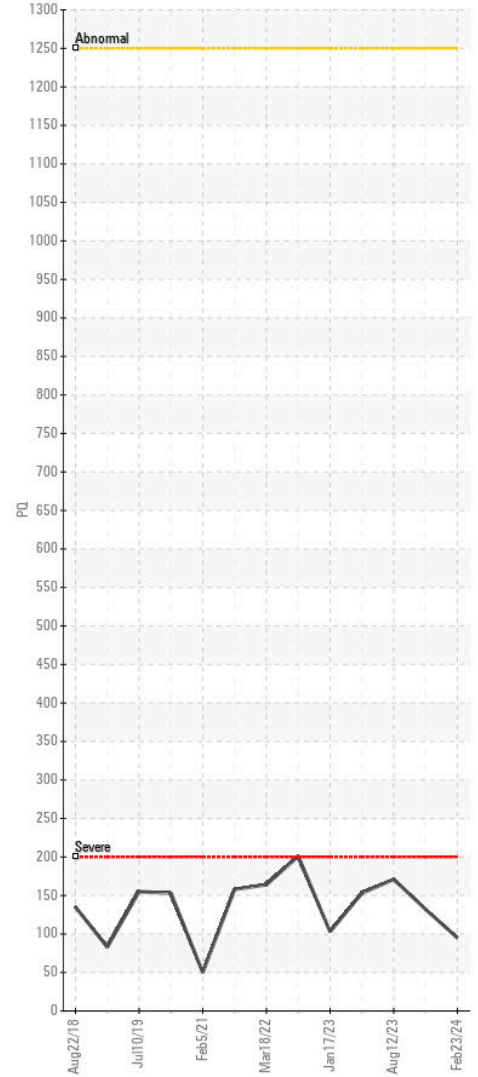
Ferrous Alloys



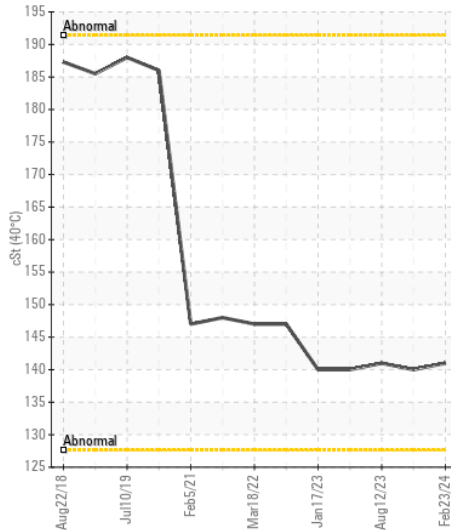
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0206986
 Lab Number : 06103230
 Unique Number : 10901460
 Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819
 Contact: WILMINGTON SHOP
 todd.simmons@jamesvirequipment.com; canastasio@wearcheck.com; canastasio@we

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)

T: (910)675-9211

F: