James River Equipment

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
[W62697]
Machine Id
JOHN DEERE 350G 1FF350GXTMF815037
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. (Customer Sample Comment: W62697)

WEAR

Gear wear is indicated.

CONTAMINATION

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

FLUID CONDITION

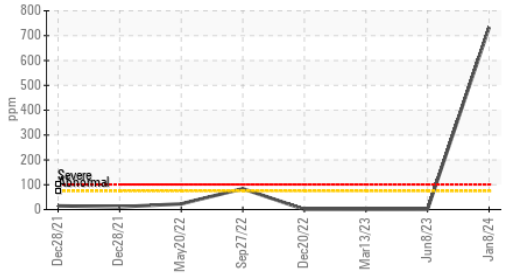
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0198477**	JR0171832	JR0155422
Sample Date		Client Info		**08 Jan 2024**	08 Jun 2023	13 Mar 2023
Machine Age	hrs	Client Info		**4428**	3484	2984
Oil Age	hrs	Client Info		**3928**	1500	500
Filter Age	hrs	Client Info		**0**	0	500
Oil Changed		Client Info		**Changed**	Not Changd	Changed
Filter Changed		Client Info		**N/A**	N/A	Changed
Sample Status				**SEVERE**	NORMAL	NORMAL
PQ		ASTM D8184	>1250	**673**	12	12
Iron	ppm	ASTM D5185m	>750	▲ **2831**	1	<1
Chromium	ppm	ASTM D5185m	>9	▲ **21**	0	0
Nickel	ppm	ASTM D5185m	>10	**3**	0	<1
Titanium	ppm	ASTM D5185m		**12**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ **258**	<1	1
Lead	ppm	ASTM D5185m	>15	**0**	0	0
Copper	ppm	ASTM D5185m	>40	**5**	0	0
Tin	ppm	ASTM D5185m	>10	**0**	0	<1
Vanadium	ppm	ASTM D5185m		**<1**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	⬢ **733**	<1	<1
Potassium	ppm	ASTM D5185m	>20	**49**	0	<1
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
Sodium	ppm	ASTM D5185m	>51	**28**	0	0
Boron	ppm	ASTM D5185m		**148**	61	45
Barium	ppm	ASTM D5185m		**2**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	<1	<1
Manganese	ppm	ASTM D5185m		**25**	0	0
Magnesium	ppm	ASTM D5185m		**27**	0	1
Calcium	ppm	ASTM D5185m		**38**	4	10
Phosphorus	ppm	ASTM D5185m		**947**	718	958
Zinc	ppm	ASTM D5185m		**11**	0	4
Sulfur	ppm	ASTM D5185m		**22521**	23336	22207
Visc @ 40°C	cSt	ASTM D445		**155**	141	139

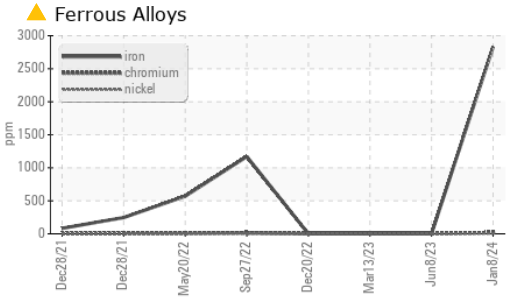
Report Id: JAMCHA [WUSCAR] 06056922 (Generated: 01/11/2024 16:10:15) Rev: 1

Submitted By: Mike Young - CHARLOTTE SHOP

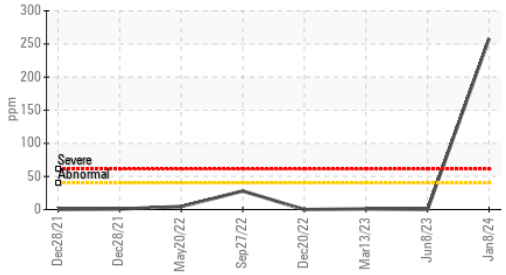
Silicon (ppm)



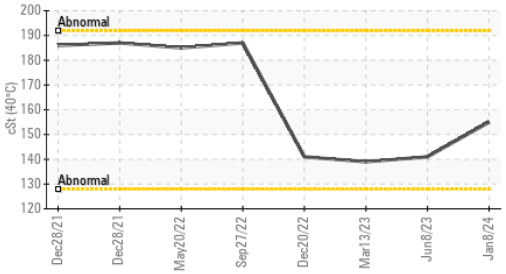
Ferrous Alloys



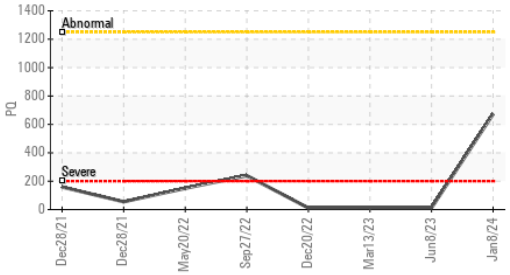
Aluminum (ppm)



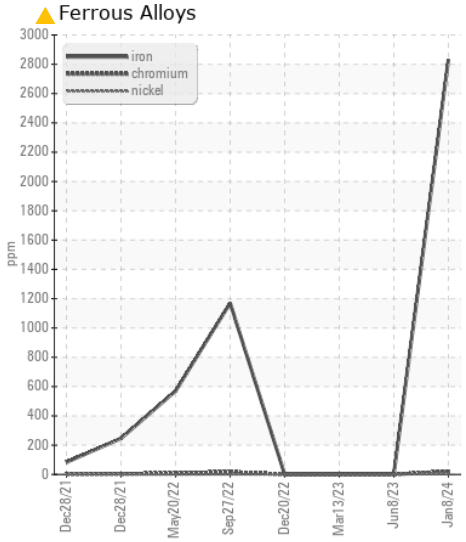
Viscosity @ 40°C



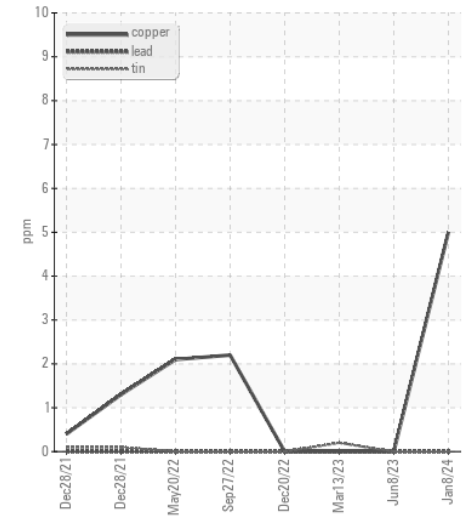
PQ



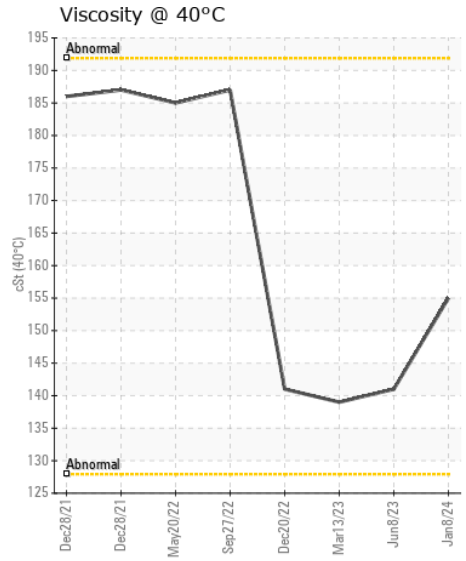
Ferrous Alloys



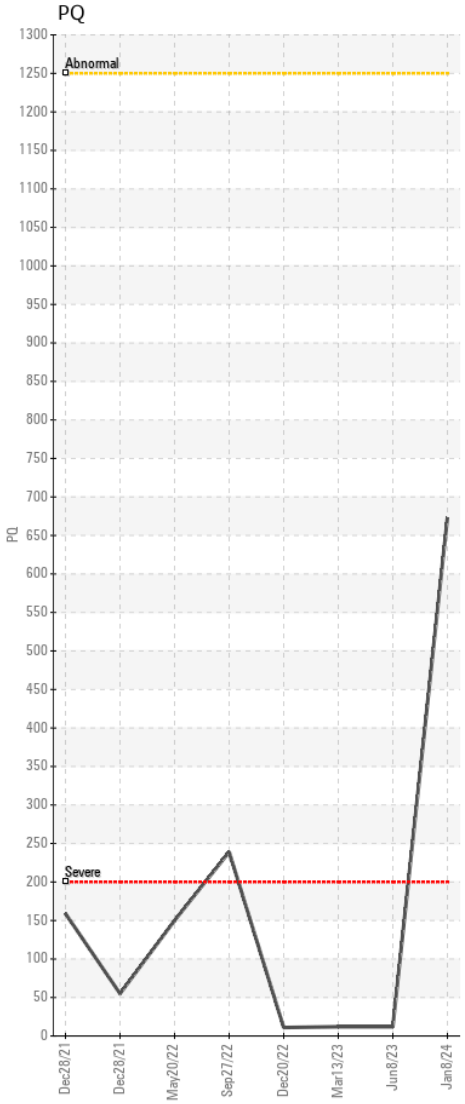
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198477 **Recieved** : 10 Jan 2024
Lab Number : 06056922 **Diagnosed** : 11 Jan 2024
Unique Number : 10822871 **Diagnostician** : Sean Felton
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)

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