James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 35G 5008398 (S/N 1FF035GXJKK287949)
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (1 QTS)

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

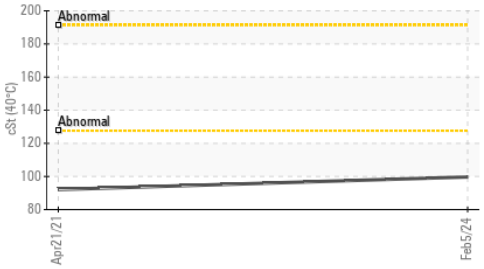
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0196391**	JR0078706	---
Sample Date		Client Info		**05 Feb 2024**	21 Apr 2021	---
Machine Age	hrs	Client Info		**1178**	503	---
Oil Age	hrs	Client Info		**1178**	503	---
Filter Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	Not Changd	---
Filter Changed		Client Info		**N/A**	N/A	---
Sample Status				**ATTENTION**	NORMAL	---
PQ		ASTM D8184	>1250	**93**	54	---
Iron	ppm	ASTM D5185m	>750	**202**	126	---
Chromium	ppm	ASTM D5185m	>9	**3**	2	---
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	---
Titanium	ppm	ASTM D5185m		**<1**	1	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>40	**2**	2	---
Lead	ppm	ASTM D5185m	>15	**0**	<1	---
Copper	ppm	ASTM D5185m	>40	**5**	4	---
Tin	ppm	ASTM D5185m	>10	**0**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
White Metal	scalar	*Visual	NONE	**NONE**	MODER	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Silicon	ppm	ASTM D5185m	>75	**14**	9	---
Potassium	ppm	ASTM D5185m	>20	**2**	0	---
Water		WC Method	>0.075	**NEG**	NEG	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.075	**NEG**	NEG	---
Sodium	ppm	ASTM D5185m	>51	**0**	2	---
Boron	ppm	ASTM D5185m		▲ **12**	15	---
Barium	ppm	ASTM D5185m		**20**	24	---
Molybdenum	ppm	ASTM D5185m		**15**	15	---
Manganese	ppm	ASTM D5185m		**2**	2	---
Magnesium	ppm	ASTM D5185m		**9**	10	---
Calcium	ppm	ASTM D5185m		▲ **3072**	4056	---
Phosphorus	ppm	ASTM D5185m		**524**	579	---
Zinc	ppm	ASTM D5185m		▲ **714**	742	---
Sulfur	ppm	ASTM D5185m		▲ **3142**	2177	---
Visc @ 40°C	cSt	ASTM D445		▲ **99.7**	92.1	---

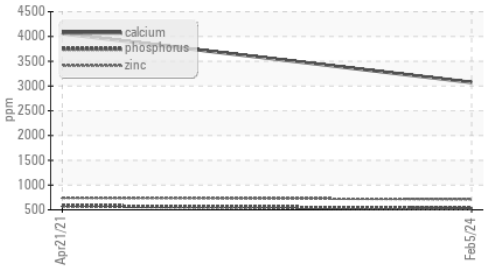
Report Id: RWMCAS [WUSCAR] 06082770 (Generated: 02/09/2024 12:09:10) Rev: 1

Submitted By: WILMINGTON SHOP

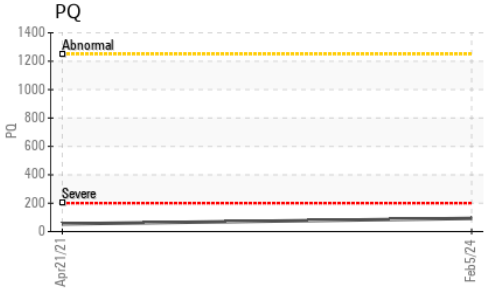
Viscosity @ 40°C



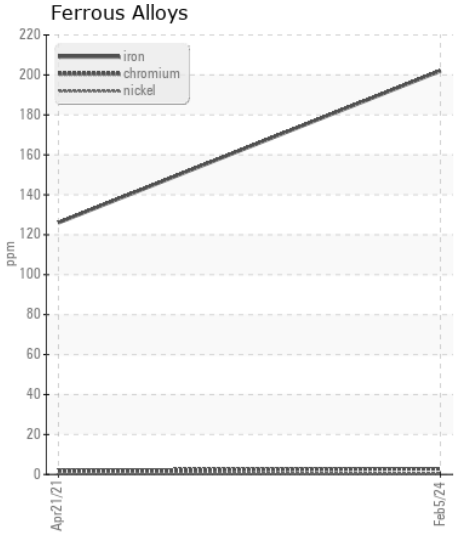
Additives



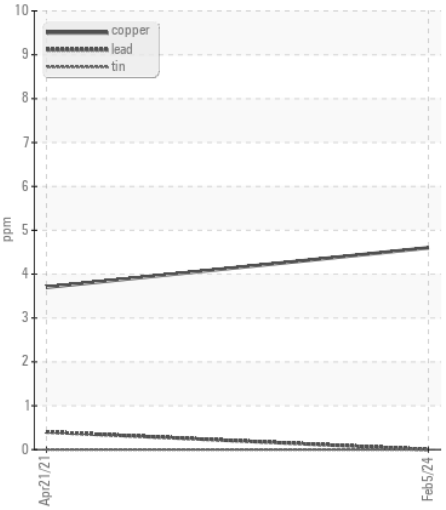
PQ



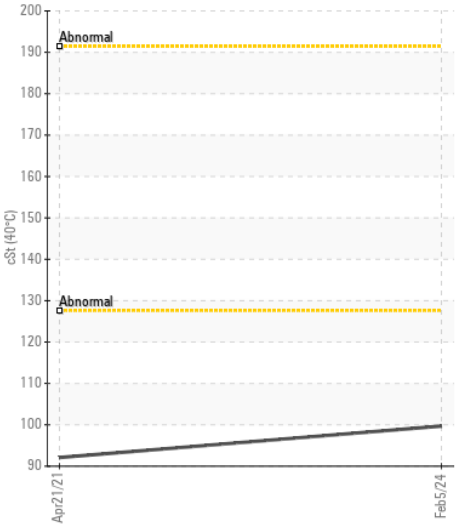
Ferrous Alloys



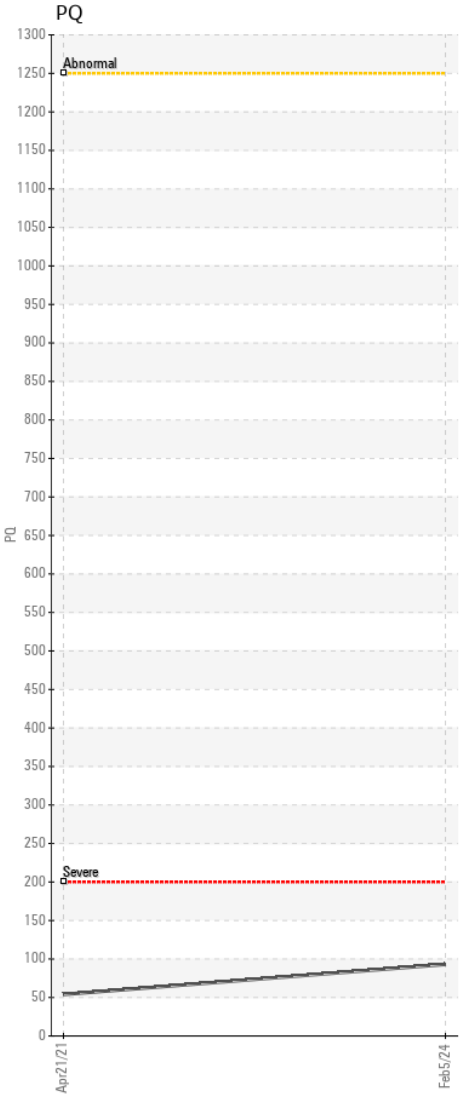
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196391 **Received** : 07 Feb 2024
Lab Number : 06082770 **Tested** : 08 Feb 2024
Unique Number : 10870215 **Diagnosed** : 09 Feb 2024 - 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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