James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G 1FF250GXCLF611628
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (8 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

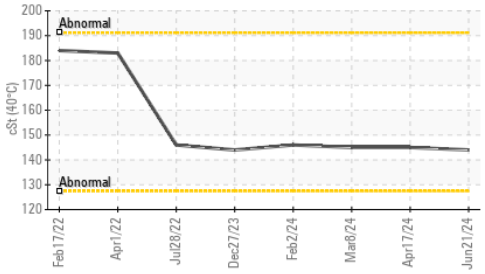
There is no indication of any contamination in the sample.

FLUID CONDITION

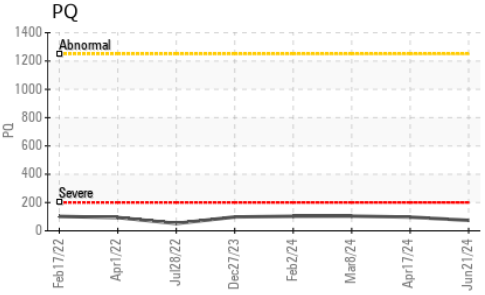
The condition of the sample is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0218598**	JR0208605	JR0208115
Sample Date		Client Info		**21 Jun 2024**	17 Apr 2024	08 Mar 2024
Machine Age	hrs	Client Info		**8093**	7808	7575
Oil Age	hrs	Client Info		**8093**	7808	7575
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Not Changd	Not Changd
Filter Changed		Client Info		**None**	None	None
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184	>1250	**74**	97	104
Iron	ppm	ASTM D5185m	>750	**126**	146	134
Chromium	ppm	ASTM D5185m	>9	**2**	3	2
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	1	0
Silver	ppm	ASTM D5185m		**<1**	0	0
Aluminum	ppm	ASTM D5185m	>40	**2**	2	0
Lead	ppm	ASTM D5185m	>15	**0**	1	0
Copper	ppm	ASTM D5185m	>40	**1**	1	<1
Tin	ppm	ASTM D5185m	>10	**<1**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	<1	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**15**	21	15
Potassium	ppm	ASTM D5185m	>20	**1**	2	0
Water		WC Method	>0.075	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	LIGHT	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	**1**	0	<1
Boron	ppm	ASTM D5185m		**12**	14	13
Barium	ppm	ASTM D5185m		**0**	3	<1
Molybdenum	ppm	ASTM D5185m		**<1**	<1	0
Manganese	ppm	ASTM D5185m		**3**	4	3
Magnesium	ppm	ASTM D5185m		**2**	2	1
Calcium	ppm	ASTM D5185m		**0**	17	61
Phosphorus	ppm	ASTM D5185m		**372**	356	327
Zinc	ppm	ASTM D5185m		**13**	13	25
Sulfur	ppm	ASTM D5185m		**17909**	20558	18995
Visc @ 40°C	cSt	ASTM D445		**144**	145	145

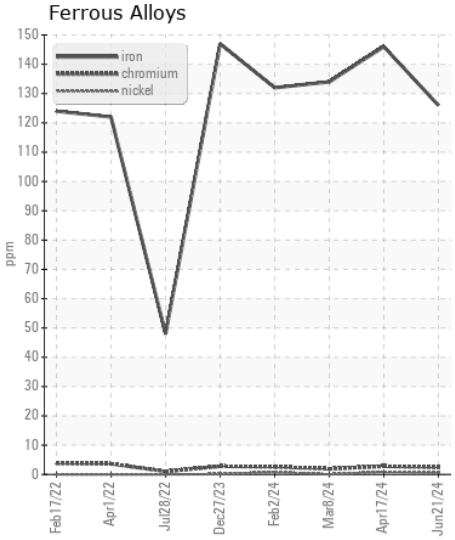
Viscosity @ 40°C



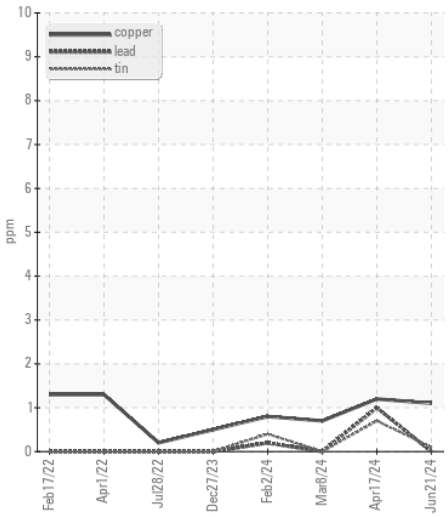
PQ



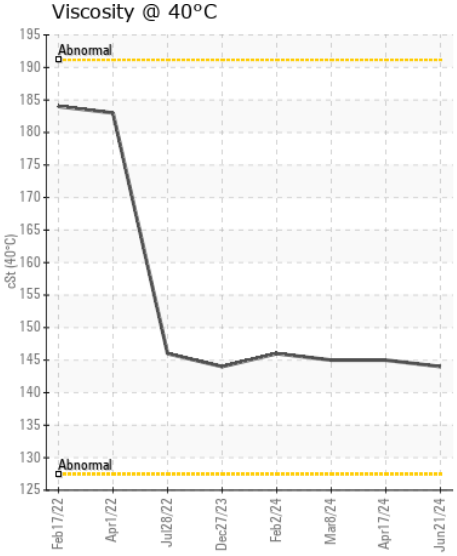
Ferrous Alloys



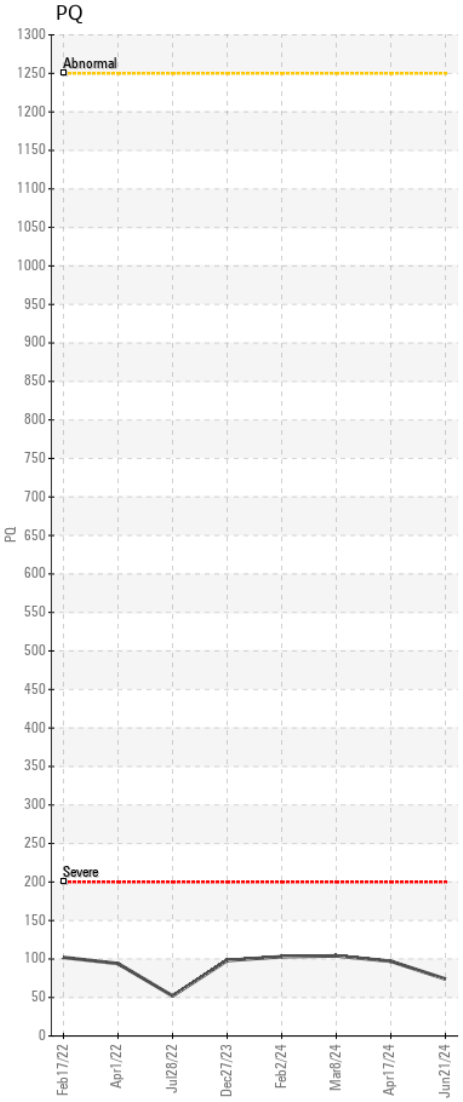
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: JR0218598	**Received**	: 25 Jun 2024
Lab Number	: 06220028	**Tested**	: 26 Jun 2024
Unique Number	: 11098225	**Diagnosed**	: 26 Jun 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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