James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXEMF815178
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (10 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

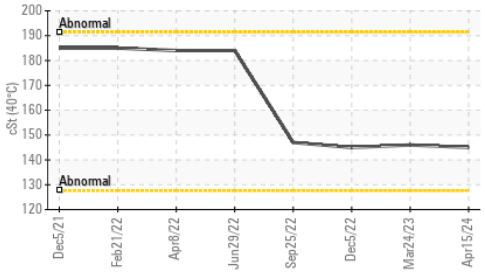
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0211193**	JR0166559	JR0154362
Sample Date		Client Info		**15 Apr 2024**	24 Mar 2023	05 Dec 2022
Machine Age	hrs	Client Info		**3984**	3458	2936
Oil Age	hrs	Client Info		**2504**	2500	2397
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Not Changd	Not Changd
Filter Changed		Client Info		**None**	None	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184	>1250	**147**	113	121
Iron	ppm	ASTM D5185m	>750	**243**	188	202
Chromium	ppm	ASTM D5185m	>9	**3**	3	3
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	<1
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>40	**6**	5	4
Lead	ppm	ASTM D5185m	>15	**0**	0	<1
Copper	ppm	ASTM D5185m	>40	**<1**	<1	<1
Tin	ppm	ASTM D5185m	>10	**0**	0	<1
Vanadium	ppm	ASTM D5185m		**0**	<1	<1
White Metal	scalar	*Visual	NONE	**NONE**	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**29**	20	17
Potassium	ppm	ASTM D5185m	>20	**2**	<1	1
Water		WC Method	>0.075	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
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	**0**	<1	1
Boron	ppm	ASTM D5185m		**14**	13	14
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**2**	2	2
Manganese	ppm	ASTM D5185m		**3**	3	3
Magnesium	ppm	ASTM D5185m		**8**	8	8
Calcium	ppm	ASTM D5185m		**31**	24	92
Phosphorus	ppm	ASTM D5185m		**360**	318	356
Zinc	ppm	ASTM D5185m		**12**	19	23
Sulfur	ppm	ASTM D5185m		**18582**	19431	21372
Visc @ 40°C	cSt	ASTM D445		**145**	146	145

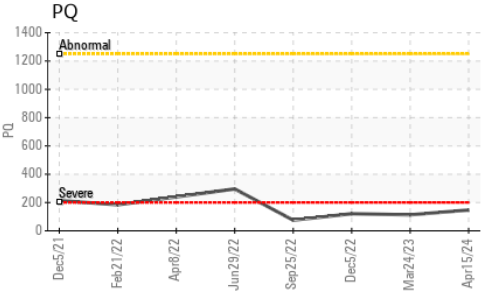
Report Id: BSSWAR [WUSCAR] 06151324 (Generated: 04/19/2024 23:47:28) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

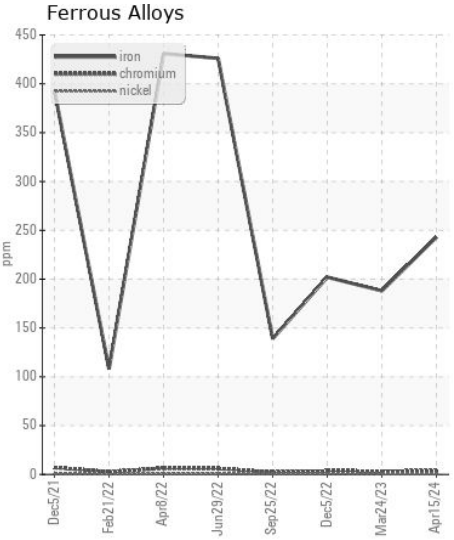
Viscosity @ 40°C



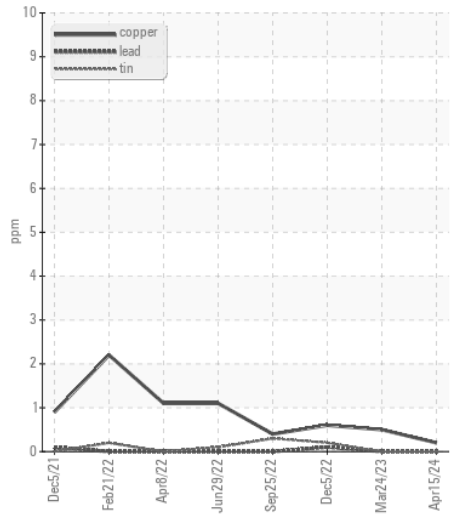
PQ



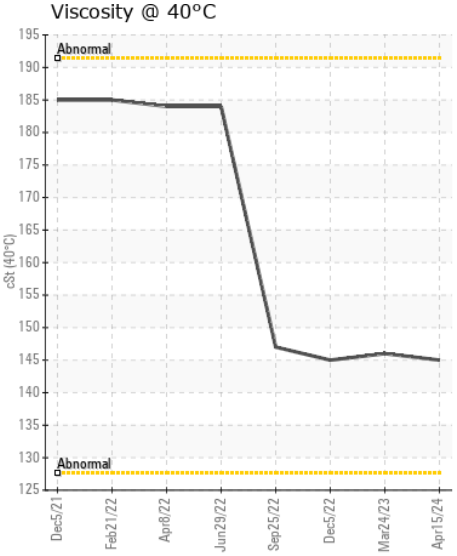
Ferrous Alloys



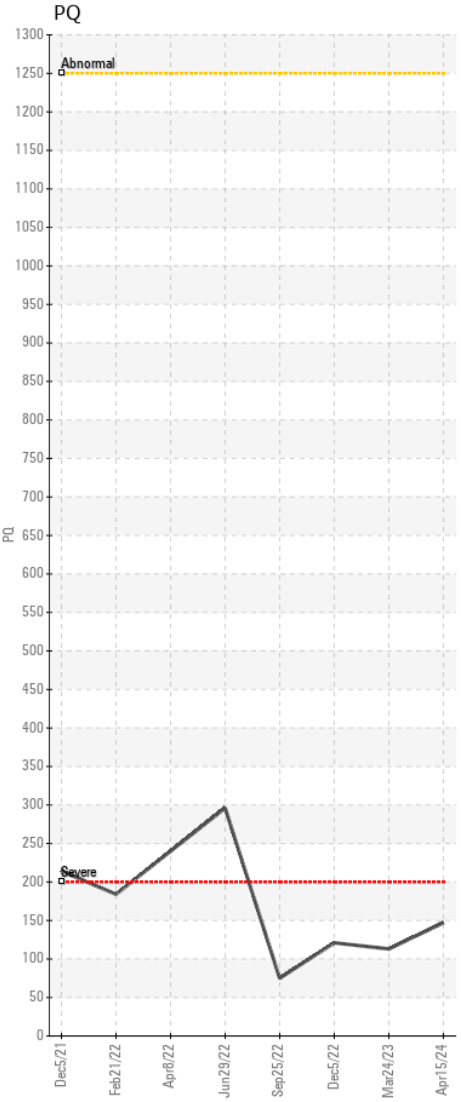
Non-ferrous Metals



Viscosity @ 40°C



PQ



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211193
Lab Number : 06151324
Unique Number : 10981402
Test Package : CONST (Additional Tests: PQ)

Received : 16 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 19 Apr 2024 - Wes Davis

Certificate L2367

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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)