James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 470G 1FF470GXVMF236782
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

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

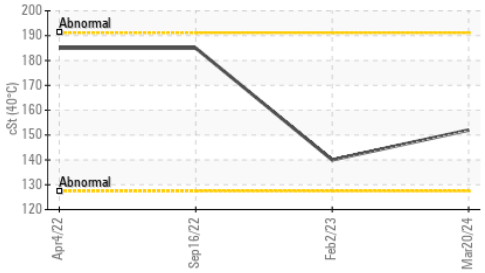
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0208794	JR0159395	JR0132244
Sample Date		Client Info		20 Mar 2024	02 Feb 2023	16 Sep 2022
Machine Age	hrs	Client Info		1976	1571	1429
Oil Age	hrs	Client Info		1976	597	1429
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	None
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	29	11	66
Iron	ppm	ASTM D5185m	>750	24	3	103
Chromium	ppm	ASTM D5185m	>9	<1	0	3
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	3	0	3
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	3	1	8
Potassium	ppm	ASTM D5185m	>20	3	<1	7
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	0	0	<1
Boron	ppm	ASTM D5185m		8	0	48
Barium	ppm	ASTM D5185m		3	0	5
Molybdenum	ppm	ASTM D5185m		5	<1	1
Manganese	ppm	ASTM D5185m		<1	0	5
Magnesium	ppm	ASTM D5185m		15	<1	7
Calcium	ppm	ASTM D5185m		62	7	17
Phosphorus	ppm	ASTM D5185m		1722	311	477
Zinc	ppm	ASTM D5185m		34	3	31
Sulfur	ppm	ASTM D5185m		27916	18919	15100
Visc @ 40°C	cSt	ASTM D445		152	140	185

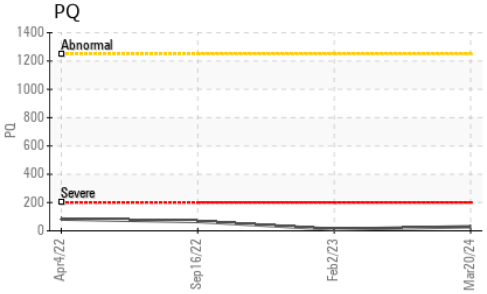
Report Id: RWMGRE [WUSCAR] 06125160 (Generated: 03/25/2024 12:24:34) Rev: 1

Submitted By: Jeffrey Moore

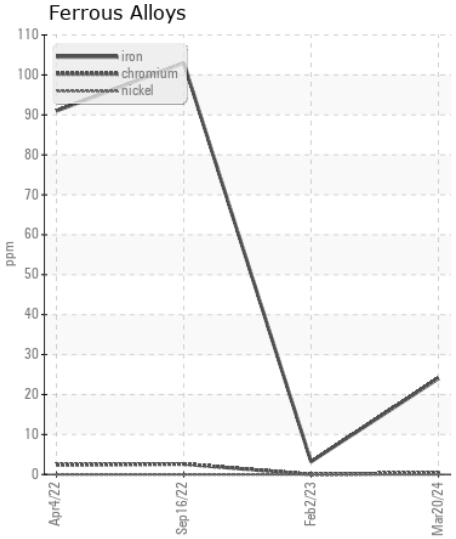
Viscosity @ 40°C



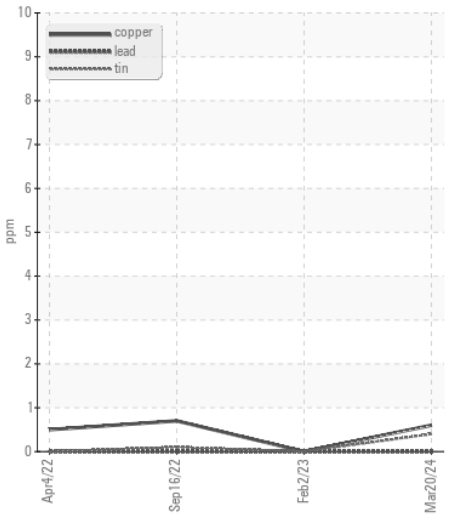
PQ



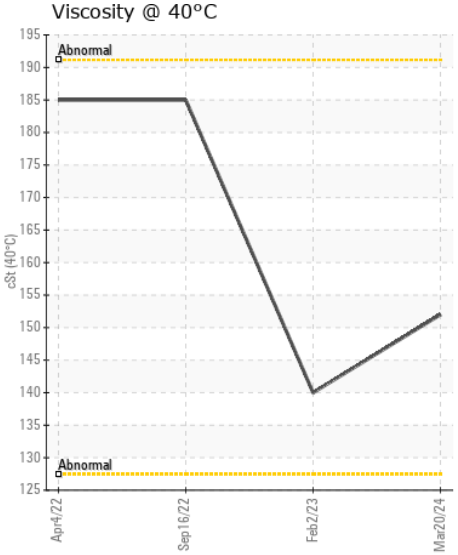
Ferrous Alloys



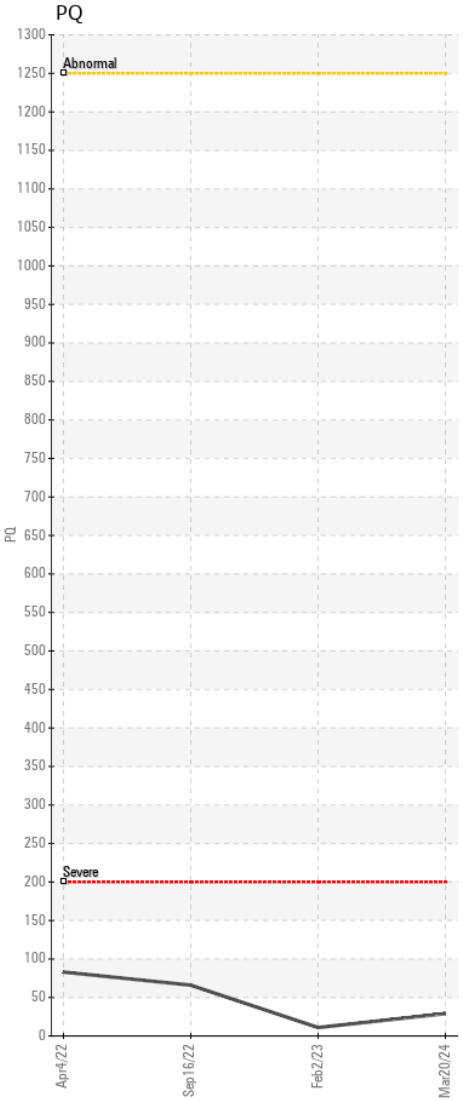
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208794
Lab Number : 06125160
Unique Number : 10939311
Test Package : CONST (Additional Tests: PQ)

Received : 21 Mar 2024
Tested : 25 Mar 2024
Diagnosed : 25 Mar 2024 - Sean Felton

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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