James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245G 1FF245GXCGF800133
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- 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

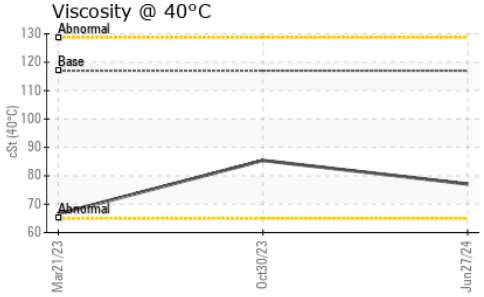
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221117	JR0186134	JR0163418
Sample Date		Client Info		27 Jun 2024	30 Oct 2023	21 Mar 2023
Machine Age	hrs	Client Info		4645	4233	4158
Oil Age	hrs	Client Info		4570	0	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	None	Changed
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		14	12	1626
Iron	ppm	ASTM D5185m	>151	22	28	66
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
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	>21	5	6	1
Lead	ppm	ASTM D5185m	>51	<1	0	0
Copper	ppm	ASTM D5185m	>51	2	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	10	12	6
Potassium	ppm	ASTM D5185m	>20	3	3	4
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	<1	0	2
Boron	ppm	ASTM D5185m		292	307	185
Barium	ppm	ASTM D5185m		2	2	<1
Molybdenum	ppm	ASTM D5185m		250	250	13
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		776	766	12
Calcium	ppm	ASTM D5185m		1558	1427	2265
Phosphorus	ppm	ASTM D5185m		997	953	906
Zinc	ppm	ASTM D5185m		1100	1078	1030
Sulfur	ppm	ASTM D5185m		3270	4237	4640
Visc @ 40°C	cSt	ASTM D445	117	77.1	85.4	66.6

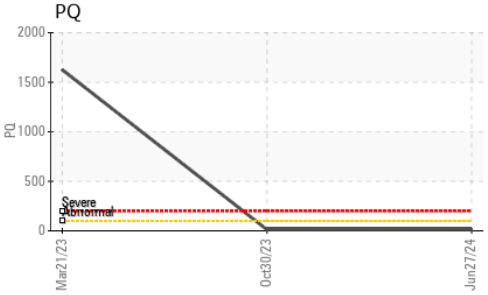
Report Id: RWMNEW [WUSCAR] 06224781 (Generated: 07/02/2024 12:50:35) Rev: 1

Submitted By: Dylan Sanderson

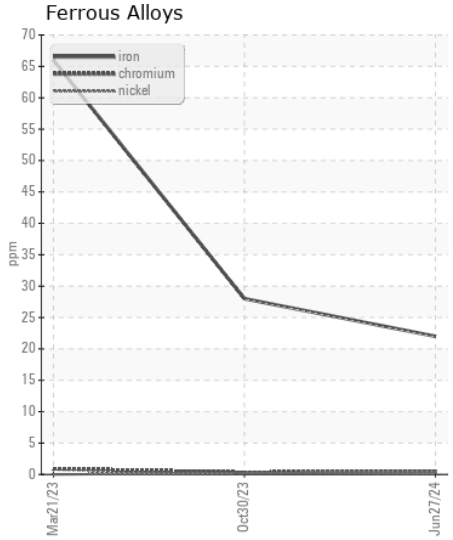
Viscosity @ 40°C



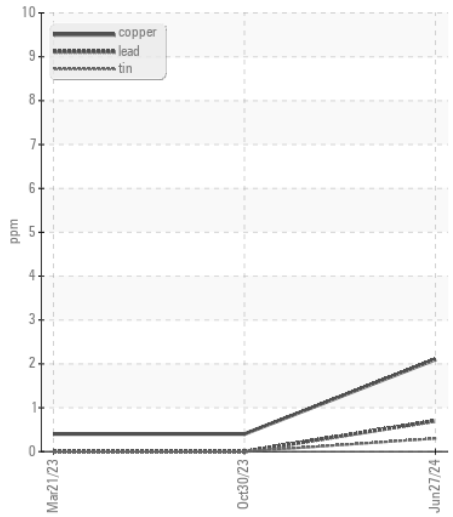
PQ



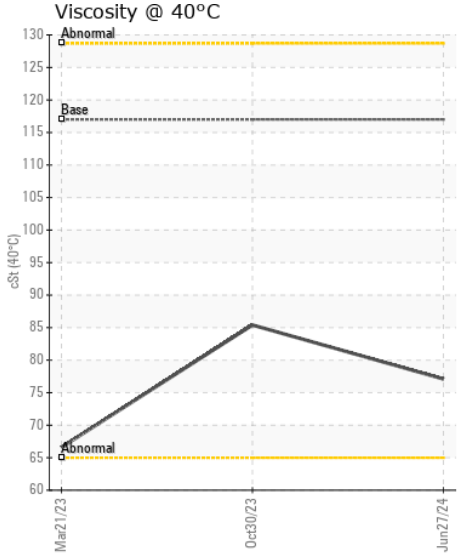
Ferrous Alloys



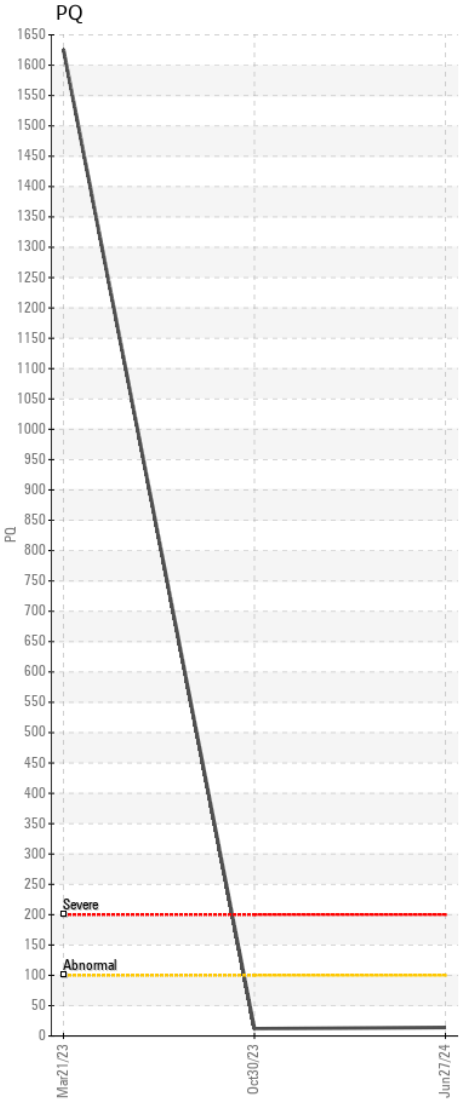
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221117
Lab Number : 06224781
Unique Number : 11102978
Test Package : CONST (Additional Tests: PQ)

Received : 01 Jul 2024
Tested : 02 Jul 2024
Diagnosed : 02 Jul 2024 - Wes Davis

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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