CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W66260]
Machine Id
JOHN DEERE 350G 1FF350GXCMF815215
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66260)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

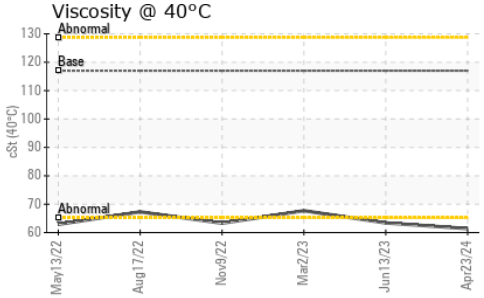
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0206705**	JR0171130	JR0142323
Sample Date		Client Info		**23 Apr 2024**	13 Jun 2023	02 Mar 2023
Machine Age	hrs	Client Info		**3842**	3028	2474
Oil Age	hrs	Client Info		**814**	554	500
Filter Age	hrs	Client Info		**0**	0	500
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**N/A**	N/A	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**19**	18	13
Iron	ppm	ASTM D5185m	>151	**50**	61	39
Chromium	ppm	ASTM D5185m	>11	**<1**	1	<1
Nickel	ppm	ASTM D5185m	>10	**0**	<1	0
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>21	**4**	6	4
Lead	ppm	ASTM D5185m	>51	**0**	0	0
Copper	ppm	ASTM D5185m	>51	**0**	<1	<1
Tin	ppm	ASTM D5185m	>4	**<1**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
White Metal	scalar	*Visual	NONE	**NONE**	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	**14**	17	13
Potassium	ppm	ASTM D5185m	>20	**0**	2	0
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**	3	2
Boron	ppm	ASTM D5185m		**235**	306	326
Barium	ppm	ASTM D5185m		**<1**	0	0
Molybdenum	ppm	ASTM D5185m		**200**	238	245
Manganese	ppm	ASTM D5185m		**1**	1	<1
Magnesium	ppm	ASTM D5185m		**667**	783	796
Calcium	ppm	ASTM D5185m		**1181**	1442	1471
Phosphorus	ppm	ASTM D5185m		**918**	962	919
Zinc	ppm	ASTM D5185m		**870**	1065	1016
Sulfur	ppm	ASTM D5185m		**3426**	4144	3869
Visc @ 40°C	cSt	ASTM D445	117	**61.4**	63.4	67.7

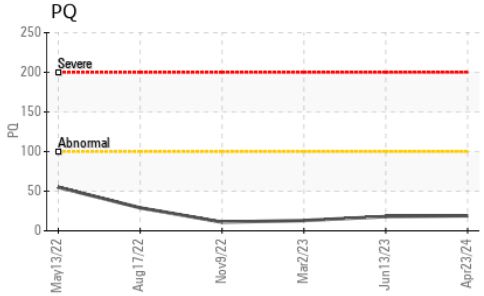
Report Id: JAMCHA [WUSCAR] 06160646 (Generated: 04/27/2024 11:38:09) Rev: 1

Submitted By: Mike Young - CHARLOTTE SHOP

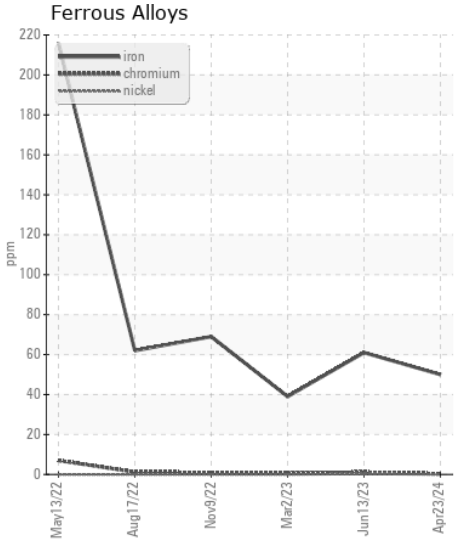
Viscosity @ 40°C



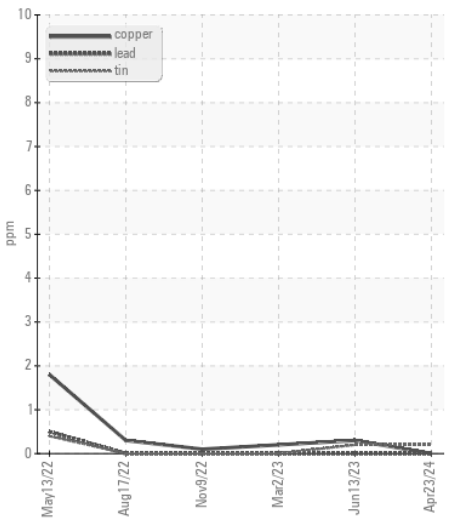
PQ



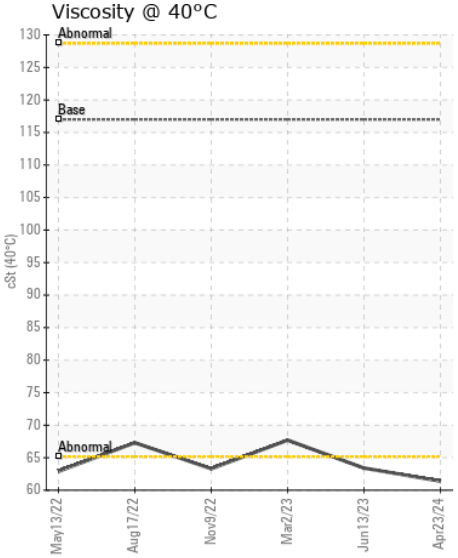
Ferrous Alloys



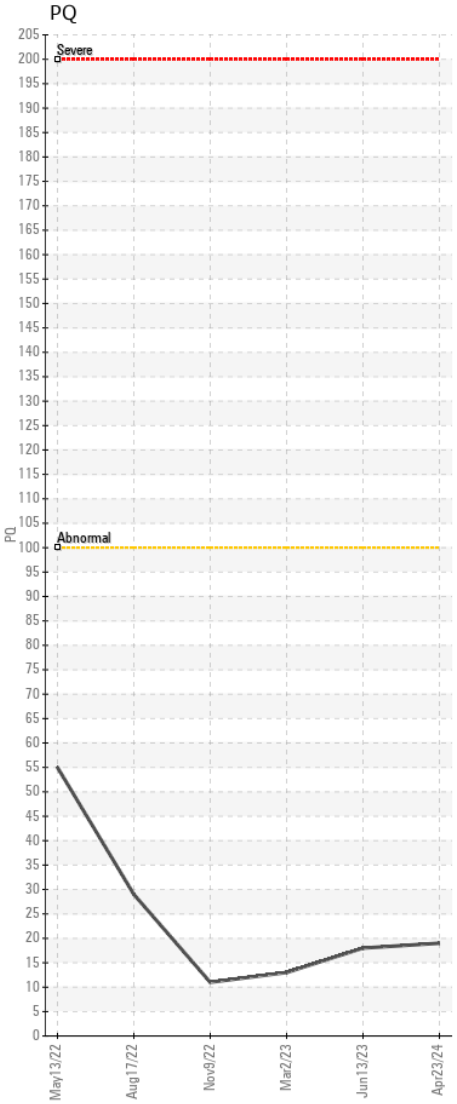
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206705
Lab Number : 06160646
Unique Number : 10996069
Test Package : CONST (Additional Tests: PQ)

Received : 25 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 27 Apr 2024 - Don Baldridge

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)

JRE - CHARLOTTE
9550 STATESVILLE ROAD
CHARLOTTE, NC
US 28269
Contact: CHARLOTTE SHOP
myoung@jamesriverequipment.com
T: (704)597-0211
F: (704)596-6198