James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HITACHI 300LC 1FFDDP70THF840156
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 fluid.

FLUID CONDITION

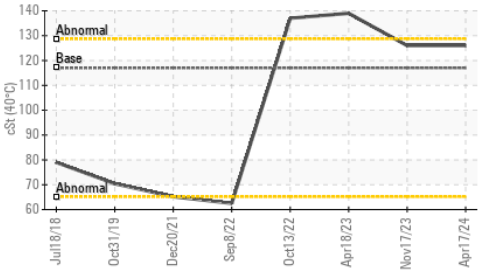
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0212954**	JR0191084	JR0168185
Sample Date		Client Info		**17 Apr 2024**	17 Nov 2023	18 Apr 2023
Machine Age	hrs	Client Info		**4984**	4521	3606
Oil Age	hrs	Client Info		**3436**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Not Changd	Oil Added
Filter Changed		Client Info		**N/A**	None	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**17**	13	12
Iron	ppm	ASTM D5185m	>500	**65**	69	25
Chromium	ppm	ASTM D5185m	>15	**<1**	<1	0
Nickel	ppm	ASTM D5185m	>10	**0**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>20	**1**	2	<1
Lead	ppm	ASTM D5185m		**<1**	0	0
Copper	ppm	ASTM D5185m	>35	**<1**	<1	0
Tin	ppm	ASTM D5185m	>4	**<1**	0	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**19**	22	6
Potassium	ppm	ASTM D5185m	>20	**0**	1	0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	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	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**2**	<1	0
Boron	ppm	ASTM D5185m		**165**	209	178
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**36**	45	12
Manganese	ppm	ASTM D5185m		**<1**	1	<1
Magnesium	ppm	ASTM D5185m		**98**	126	11
Calcium	ppm	ASTM D5185m		**234**	246	51
Phosphorus	ppm	ASTM D5185m		**959**	1082	1031
Zinc	ppm	ASTM D5185m		**142**	187	17
Sulfur	ppm	ASTM D5185m		**16777**	24143	22820
Visc @ 40°C	cSt	ASTM D445	117	**126**	126	139

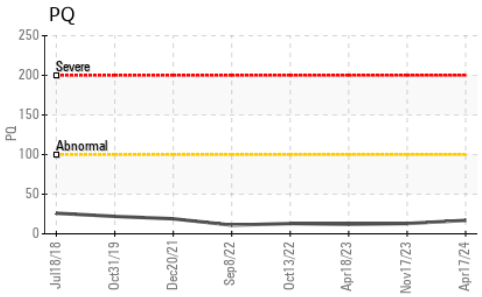
Report Id: RWMGAR [WUSCAR] 06154703 (Generated: 04/23/2024 16:07:18) Rev: 1

Submitted By: Steven Bass

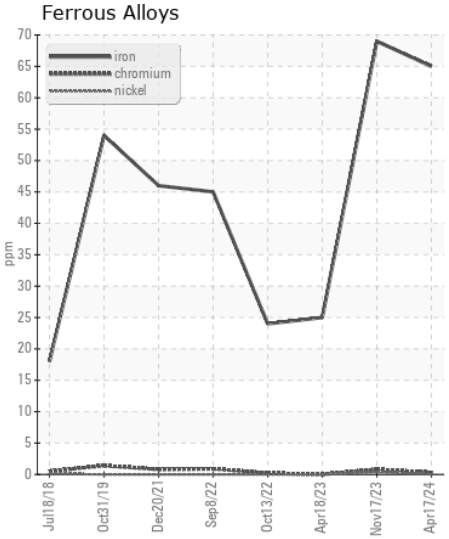
Viscosity @ 40°C



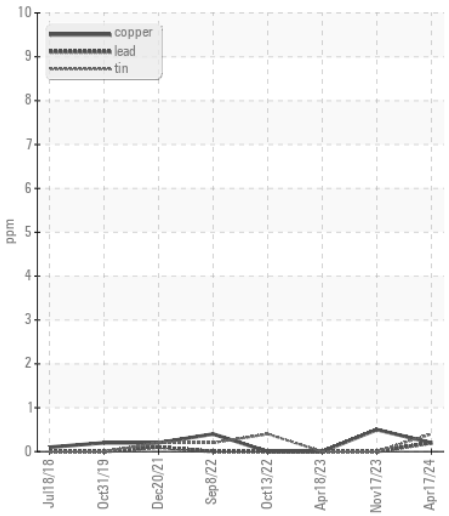
PQ



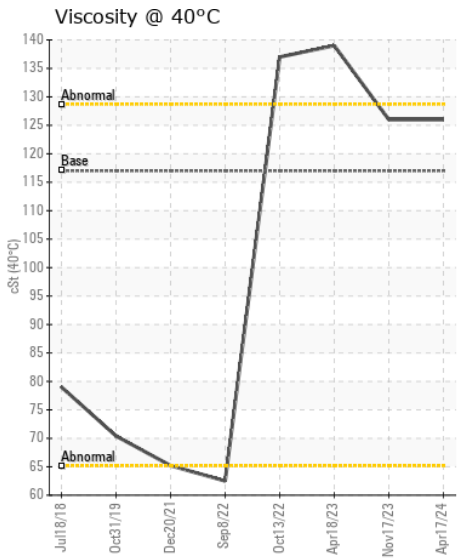
Ferrous Alloys



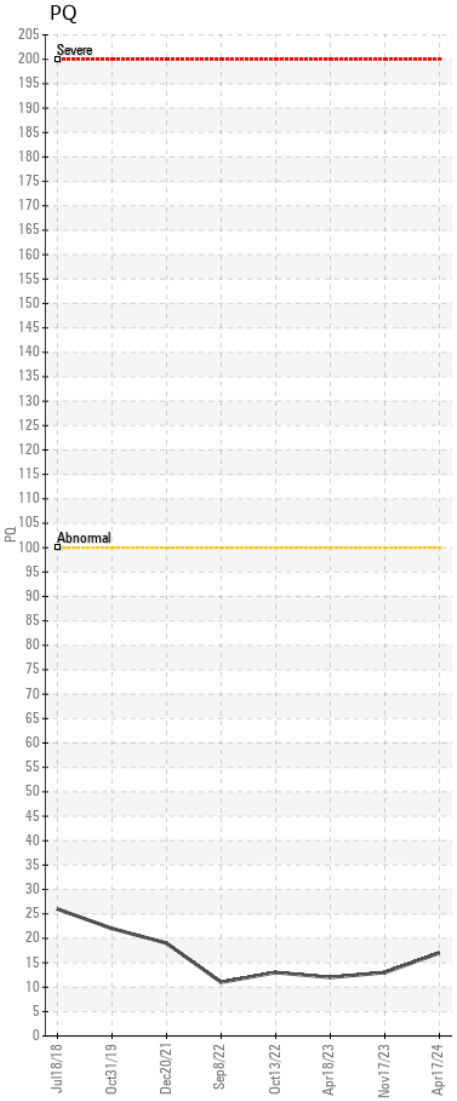
Non-ferrous Metals



Viscosity @ 40°C



PQ



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212954
Lab Number : 06154703
Unique Number : 10990126
Test Package : CONST (Additional Tests: PQ)

Received : 19 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 23 Apr 2024 - Sean Felton

JRE - GARNER
4161 AUBURN CHURCH RD
GARNER, NC
US 27529
Contact: RALEIGH SHOP
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Certificate L2367

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)