James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 605K 1T0605KXJGE300684
Component
Left Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (9 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

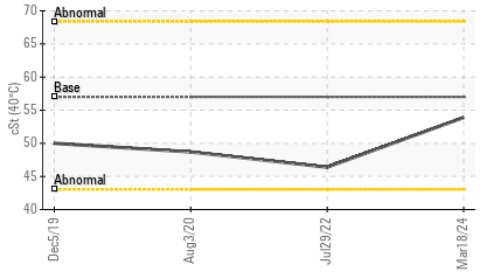
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0208094	JR0136800	JR0056566
Sample Date		Client Info		18 Mar 2024	29 Jul 2022	03 Aug 2020
Machine Age	hrs	Client Info		2956	1454	1454
Oil Age	hrs	Client Info		1502	1042	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184	>1250	112	72	109
Iron	ppm	ASTM D5185m	>750	222	203	91
Chromium	ppm	ASTM D5185m	>9	2	2	<1
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		2	4	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	21	56	12
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	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	>75	71	179	59
Potassium	ppm	ASTM D5185m	>20	11	19	5
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER	VLITE
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	5	9	2
Boron	ppm	ASTM D5185m	6	14	6	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	12	1	<1
Manganese	ppm	ASTM D5185m		3	3	1
Magnesium	ppm	ASTM D5185m	145	122	112	108
Calcium	ppm	ASTM D5185m	3570	3339	3532	3617
Phosphorus	ppm	ASTM D5185m	1290	938	957	1061
Zinc	ppm	ASTM D5185m	1640	1197	1207	1345
Sulfur	ppm	ASTM D5185m		4054	4125	3487
Visc @ 40°C	cSt	ASTM D445	57.0	53.9	46.4	48.7

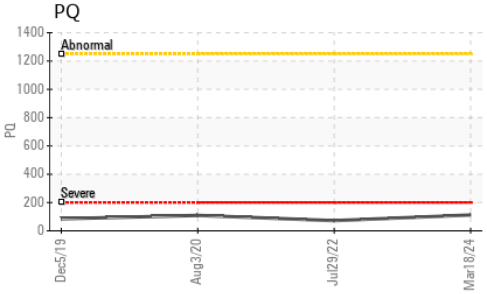
Report Id: JAMMAN [WUSCAR] 06123980 (Generated: 03/21/2024 18:43:18) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

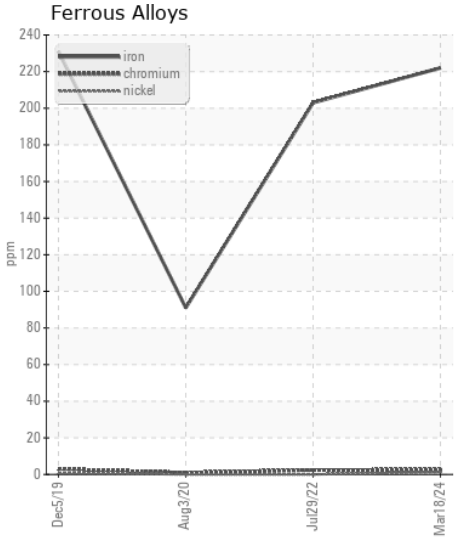
Viscosity @ 40°C



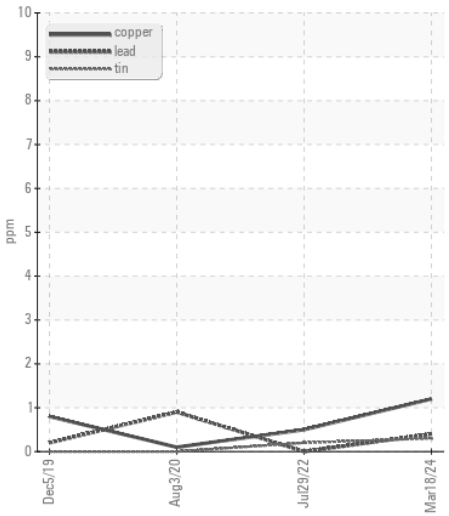
PQ



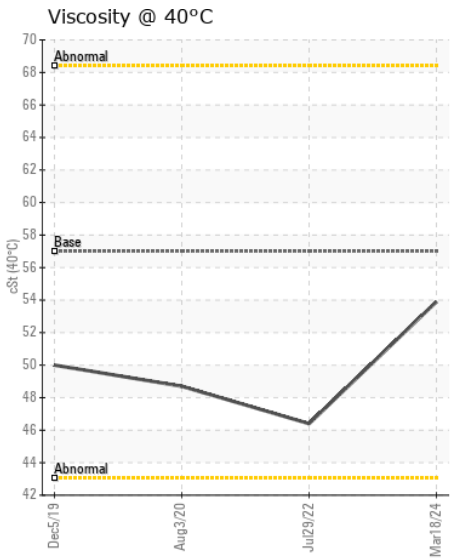
Ferrous Alloys



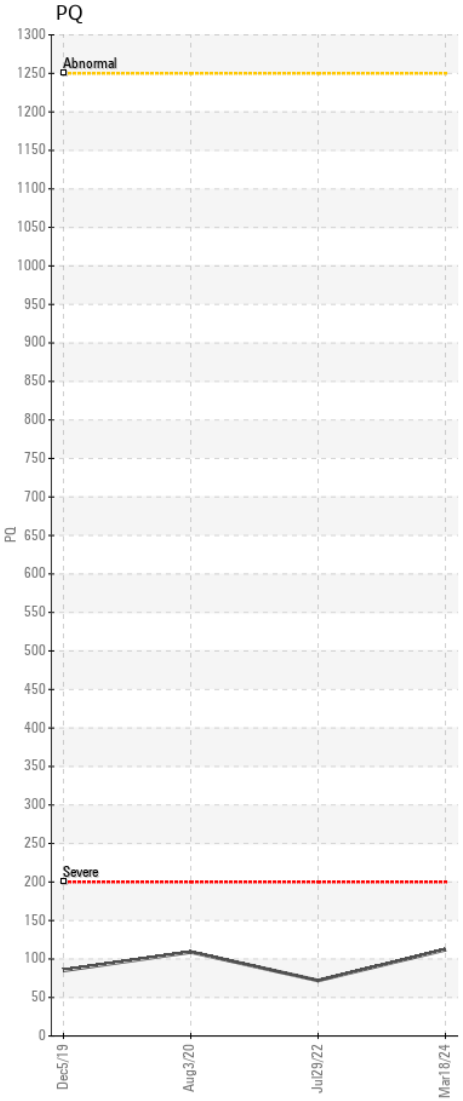
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208094
Lab Number : 06123980
Unique Number : 10938131
Test Package : CONST (Additional Tests: PQ)

Received : 20 Mar 2024
Tested : 21 Mar 2024
Diagnosed : 21 Mar 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)

JRE - MANASSAS PARK
9107 OWENS DRIVE
MANASSAS PARK, VA
US 20111
Contact: DON VEST
dvest@jamesriverequipment.com
T: (703)631-8500
F: (703)631-4715