CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 410E-II 1DW410EBKNF715123
Component
Front Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (14 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

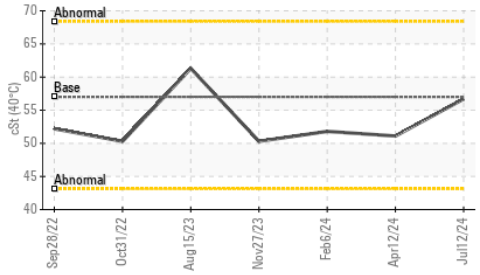
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0221058**	JR0214192	JR0201049
Sample Date		Client Info		**12 Jul 2024**	12 Apr 2024	06 Feb 2024
Machine Age	hrs	Client Info		**5485**	4989	4603
Oil Age	hrs	Client Info		**4631**	4521	468
Filter Age	hrs	Client Info		**496**	386	468
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**19**	15	12
Iron	ppm	ASTM D5185m	>500	**16**	11	12
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	<1
Nickel	ppm	ASTM D5185m	>10	**0**	<1	0
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**3**	2	1
Lead	ppm	ASTM D5185m	>25	**9**	4	5
Copper	ppm	ASTM D5185m	>100	**14**	13	11
Tin	ppm	ASTM D5185m	>10	**<1**	2	<1
Vanadium	ppm	ASTM D5185m		**0**	<1	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**4**	2	3
Potassium	ppm	ASTM D5185m	>20	**2**	0	2
Water		WC Method	>.2	**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	>.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**0**	2	1
Boron	ppm	ASTM D5185m	6	**<1**	0	<1
Barium	ppm	ASTM D5185m	0	**0**	5	0
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m		**0**	<1	0
Magnesium	ppm	ASTM D5185m	145	**96**	86	95
Calcium	ppm	ASTM D5185m	3570	**3425**	3531	3274
Phosphorus	ppm	ASTM D5185m	1290	**923**	992	1035
Zinc	ppm	ASTM D5185m	1640	**1275**	1084	1235
Sulfur	ppm	ASTM D5185m		**3443**	3920	3743
Visc @ 40°C	cSt	ASTM D445	57.0	**56.7**	51.1	51.8

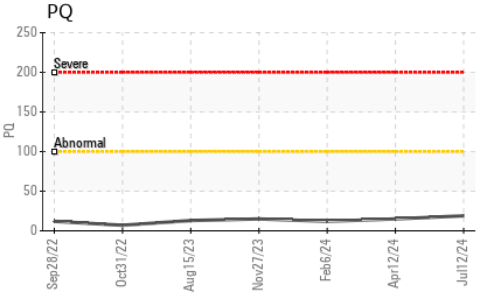
Report Id: RWMNEW [WUSCAR] 06238055 (Generated: 07/17/2024 08:35:43) Rev: 1

Submitted By: Dylan Sanderson

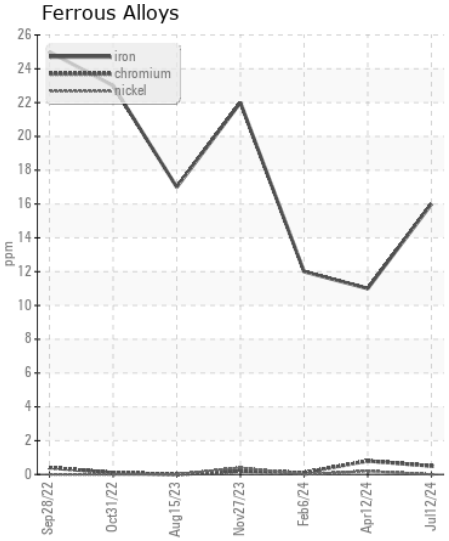
Viscosity @ 40°C



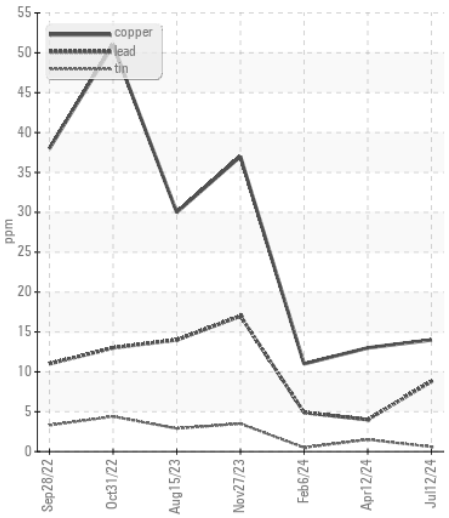
PQ



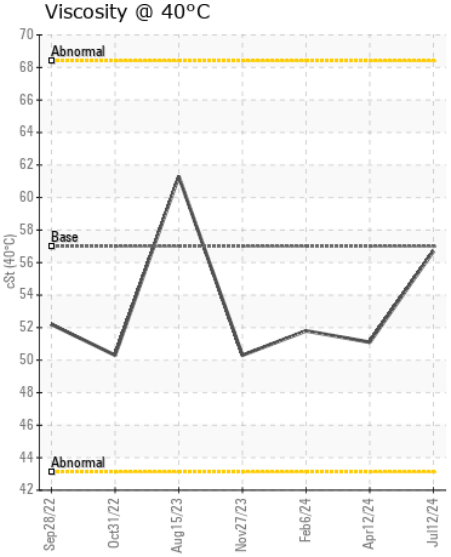
Ferrous Alloys



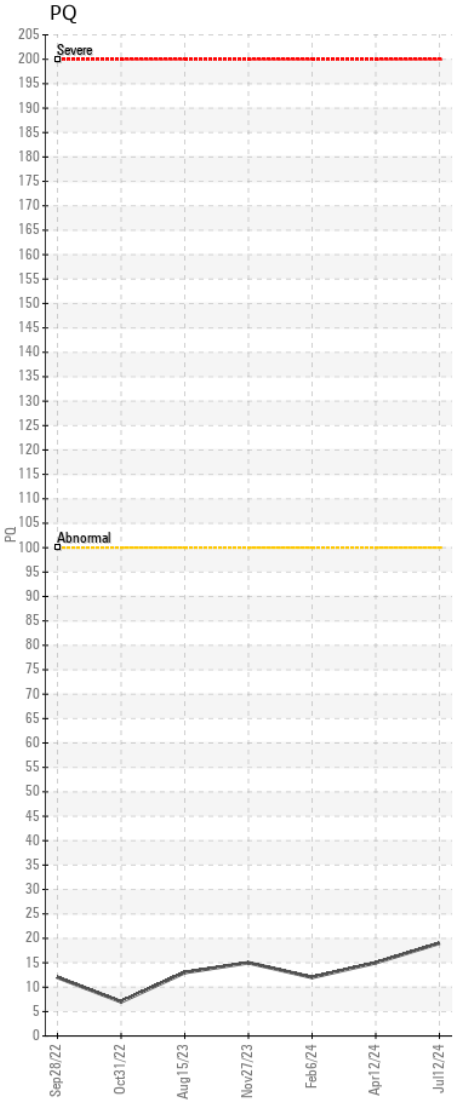
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221058
Lab Number : 06238055
Unique Number : 11126889
Test Package : CONST (Additional Tests: PQ)

Received : 16 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 17 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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