James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 700L 1T0700LXVNF425944
Component
Left Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- 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

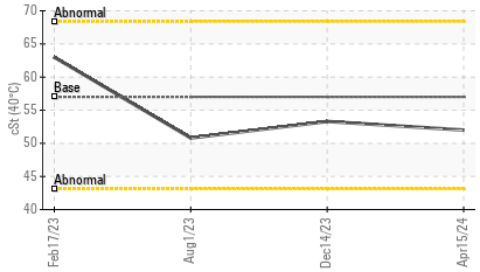
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205114	JR0189314	JR0171058
Sample Date		Client Info		15 Apr 2024	14 Dec 2023	01 Aug 2023
Machine Age	hrs	Client Info		1954	1564	1031
Oil Age	hrs	Client Info		0	533	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	109	80	121
Iron	ppm	ASTM D5185m	>750	79	46	102
Chromium	ppm	ASTM D5185m	>9	<1	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	1	<1
Lead	ppm	ASTM D5185m	>15	0	<1	2
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	4	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	7	6	16
Potassium	ppm	ASTM D5185m	>20	1	2	9
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	LIGHT	LIGHT
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	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	3	0	4
Boron	ppm	ASTM D5185m	6	0	0	0
Barium	ppm	ASTM D5185m	0	5	2	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		2	2	4
Magnesium	ppm	ASTM D5185m	145	94	98	98
Calcium	ppm	ASTM D5185m	3570	3567	3301	3340
Phosphorus	ppm	ASTM D5185m	1290	944	1025	966
Zinc	ppm	ASTM D5185m	1640	1065	1216	1205
Sulfur	ppm	ASTM D5185m		3907	3819	3884
Visc @ 40°C	cSt	ASTM D445	57.0	52.0	53.3	50.8

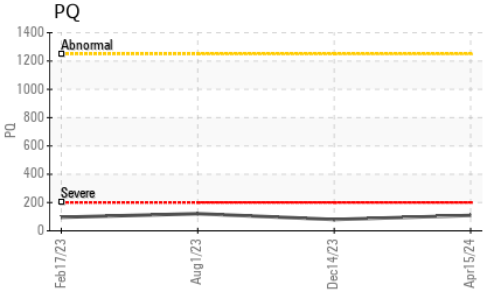
Report Id: JAMGRE [WUSCAR] 06150664 (Generated: 04/17/2024 22:14:22) Rev: 1

Submitted By: Mike Young - CHARLOTTE SHOP

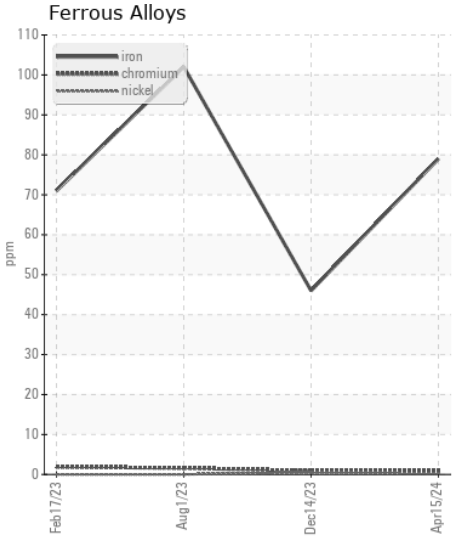
Viscosity @ 40°C



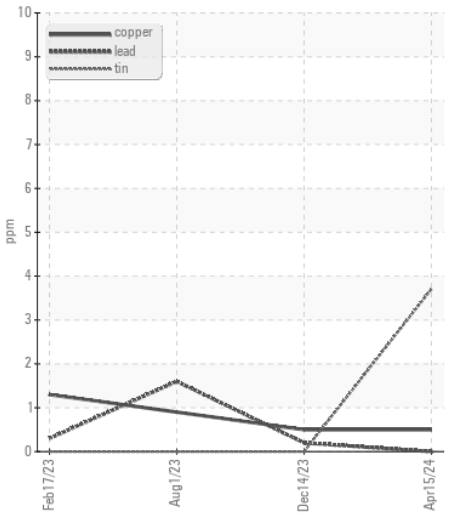
PQ



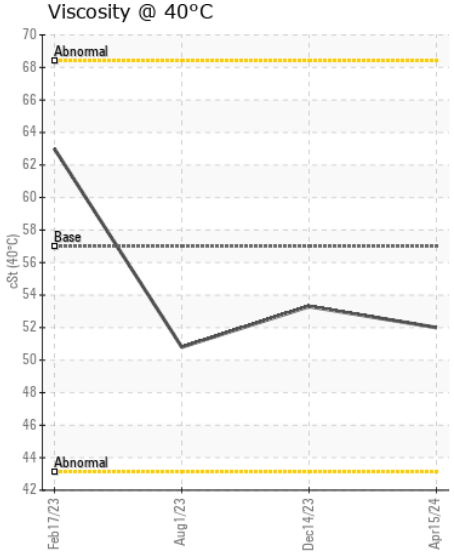
Ferrous Alloys



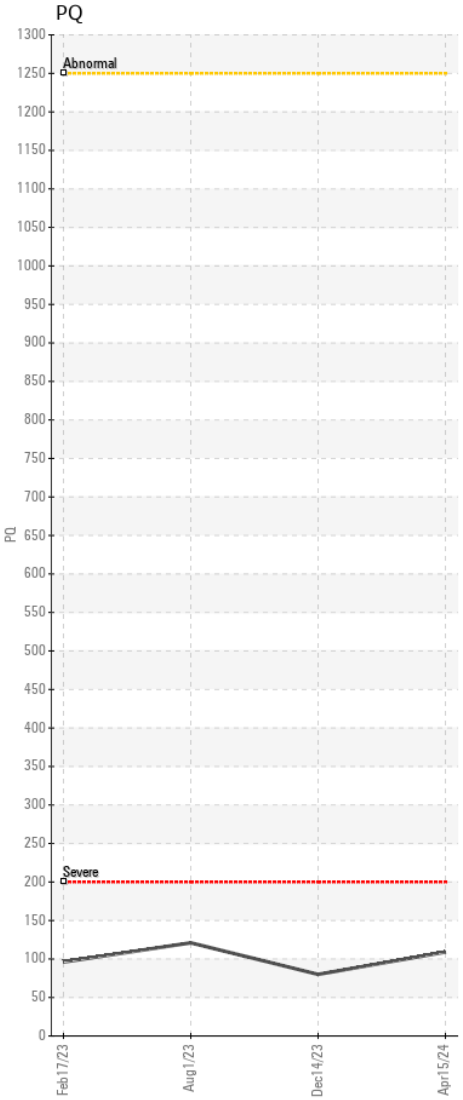
Non-ferrous Metals



Viscosity @ 40°C



PQ



ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205114
Lab Number : 06150664
Unique Number : 10980742
Test Package : CONST (Additional Tests: PQ)

Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 17 Apr 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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