James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 850L 1T0850LXKNF426545
Component
Right Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (12 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

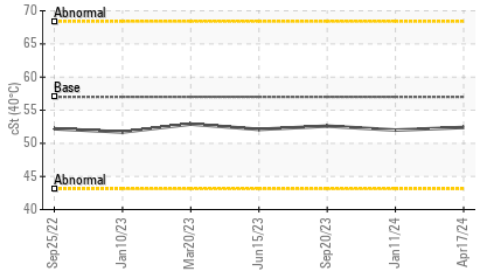
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0211360	JR0192036	JR0187787
Sample Date		Client Info		17 Apr 2024	11 Jan 2024	20 Sep 2023
Machine Age	hrs	Client Info		3461	2977	2444
Oil Age	hrs	Client Info		484	1000	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	N/A
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184	>1250	25	12	21
Iron	ppm	ASTM D5185m	>750	14	10	8
Chromium	ppm	ASTM D5185m	>9	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	3	2	4
Lead	ppm	ASTM D5185m	>15	1	<1	<1
Copper	ppm	ASTM D5185m	>40	1	0	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	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	15	11	9
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	<1	<1	0
Boron	ppm	ASTM D5185m	6	7	6	6
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	0	6	4	5
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	145	118	120	110
Calcium	ppm	ASTM D5185m	3570	3561	3285	3429
Phosphorus	ppm	ASTM D5185m	1290	1149	1125	1051
Zinc	ppm	ASTM D5185m	1640	1283	1292	1300
Sulfur	ppm	ASTM D5185m		4218	3558	3978
Visc @ 40°C	cSt	ASTM D445	57.0	52.4	52.0	52.6

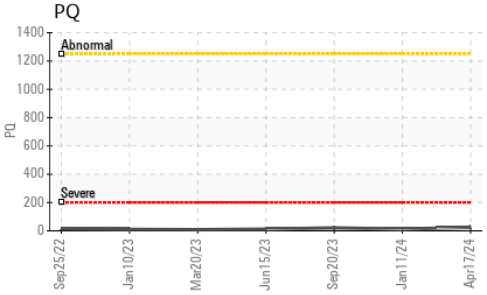
Report Id: BSSWAR [WUSCAR] 06153389 (Generated: 04/19/2024 15:47:41) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

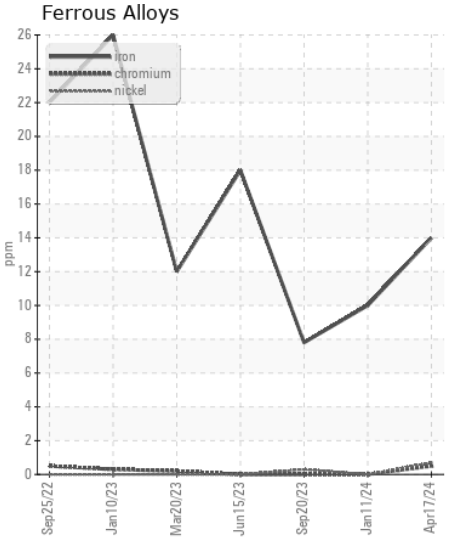
Viscosity @ 40°C



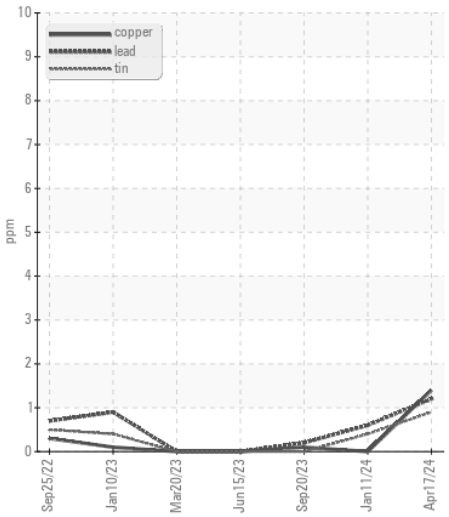
PQ



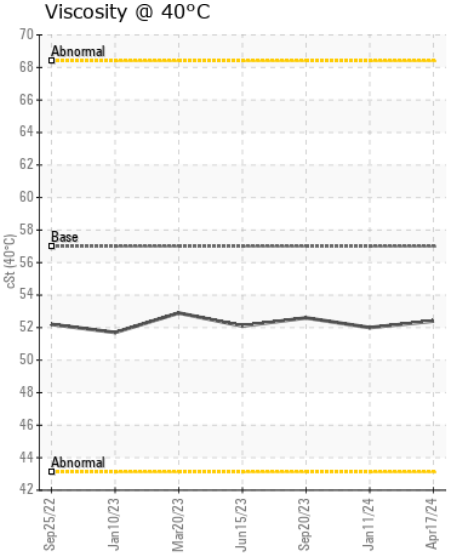
Ferrous Alloys



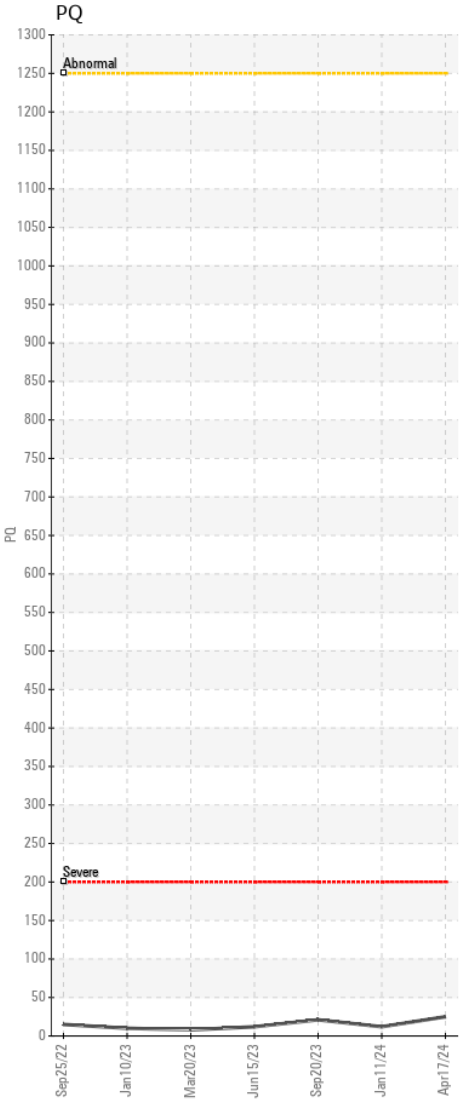
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211360
Lab Number : 06153389
Unique Number : 10983467
Test Package : CONST (Additional Tests: PQ)

Received : 18 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 19 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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