



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
SAKAI SV400T VSV15-30178
 Component
Hydraulic System
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (15 GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0223571	JR0034823	JR0174075
Sample Date		Client Info		10 Jul 2024	28 Nov 2023	06 Jun 2023
Machine Age	hrs	Client Info		3792	3569	3306
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		17	3	10
Iron	ppm	ASTM D5185m	>20	0	3	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
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	>10	0	2	0
Lead	ppm	ASTM D5185m	>10	0	1	<1
Copper	ppm	ASTM D5185m	>75	0	3	1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

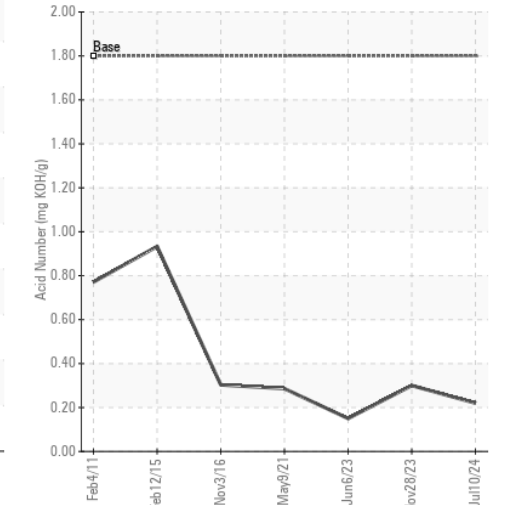
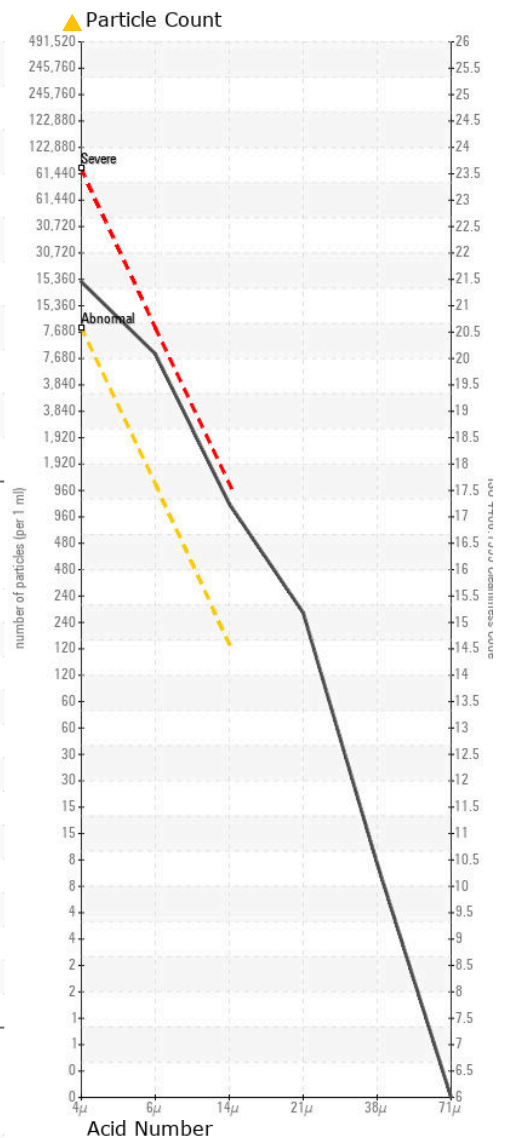
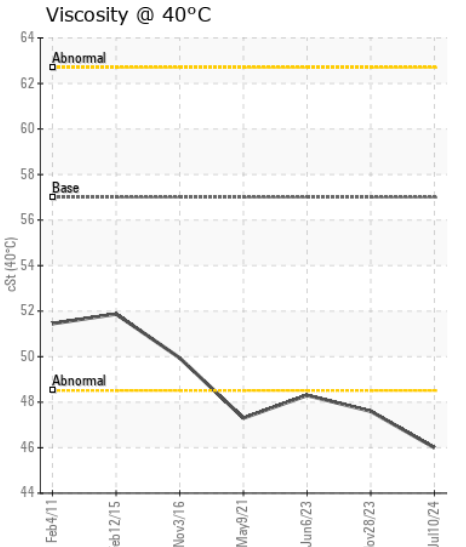
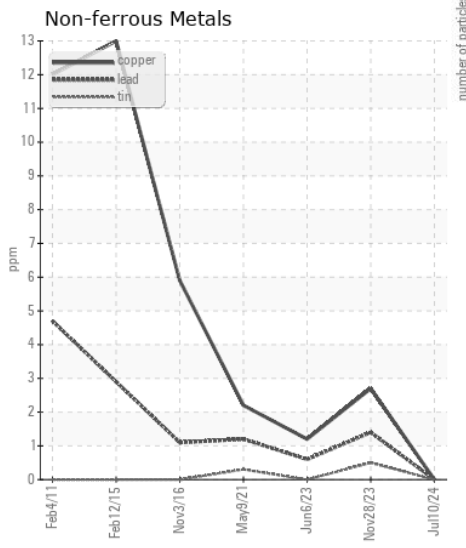
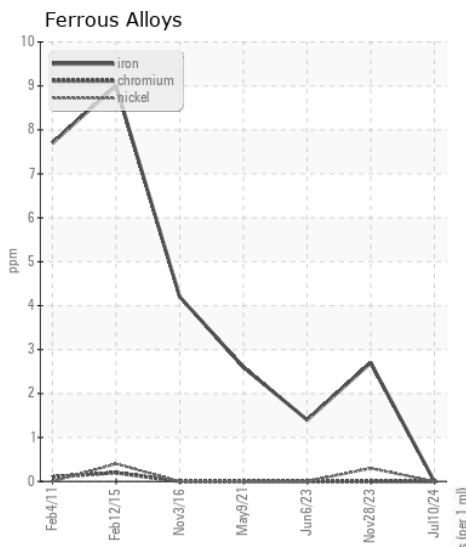
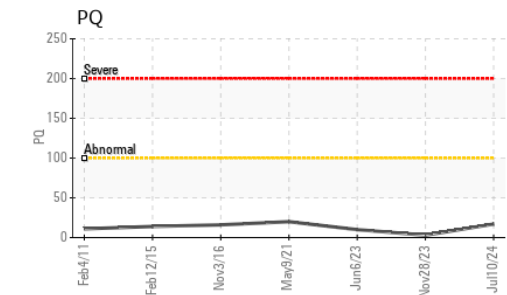
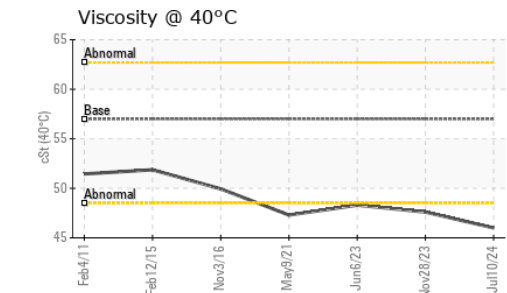
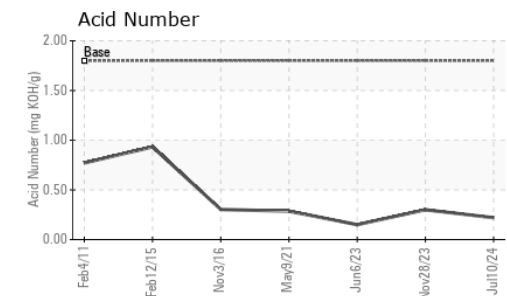
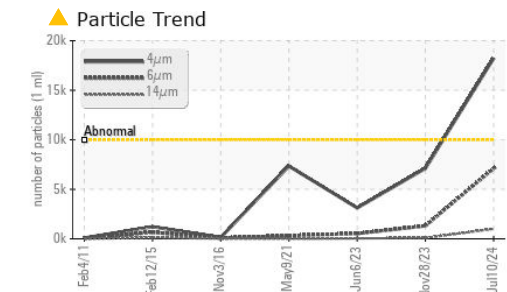
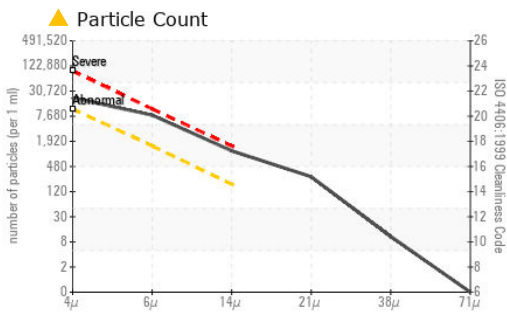
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	2	3	2
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 18235	7115	3118
Particles >6µm		ASTM D7647	>1300	▲ 7101	1312	531
Particles >14µm		ASTM D7647	>160	▲ 999	82	42
Particles >21µm		ASTM D7647	>40	▲ 240	19	14
Particles >38µm		ASTM D7647	>10	9	0	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>20/17/14	▲ 21/20/17	20/18/14	19/16/13
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m	6	4	5	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	2	1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	145	10	11	8
Calcium	ppm	ASTM D5185m	3570	67	109	95
Phosphorus	ppm	ASTM D5185m	1290	539	448	519
Zinc	ppm	ASTM D5185m	1640	134	101	106
Sulfur	ppm	ASTM D5185m		1597	1360	1238
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.22	0.30	0.15
Visc @ 40°C	cSt	ASTM D445	57.0	46.0	47.6	48.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223571 **Received** : 11 Jul 2024
Lab Number : 06233190 **Tested** : 12 Jul 2024
Unique Number : 11116683 **Diagnosed** : 12 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

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 - GREENSBORO
 411 SOUTH REGIONAL ROAD
 GREENSBORO, NC
 US 27409

Contact: NICK GALLAHER
 NGALLAHER@JRENET.COM

T: (336)668-2762

F: (336)665-9556