



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W67965]

Machine Id
SAKAI SV510T VSV21-10328

Component
Hydraulic System

Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. (Customer Sample Comment: W67965)

WEAR

All component wear rates are normal.

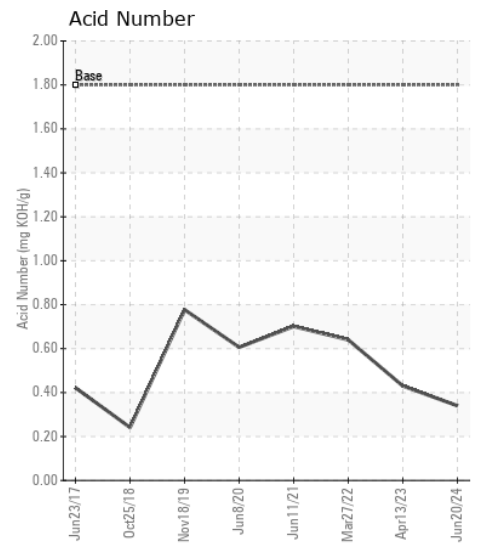
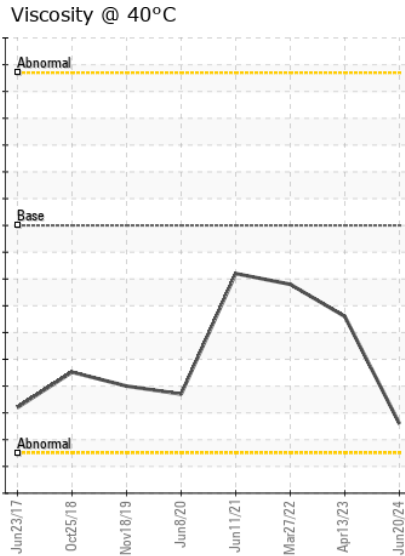
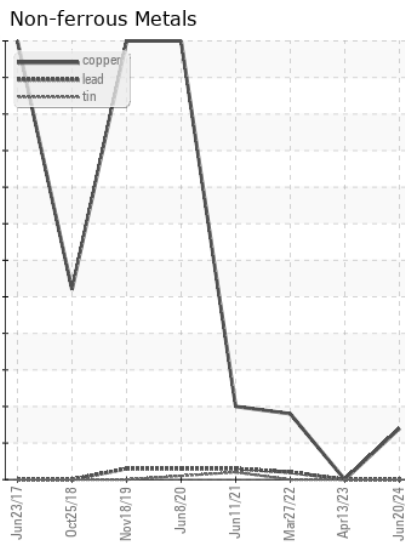
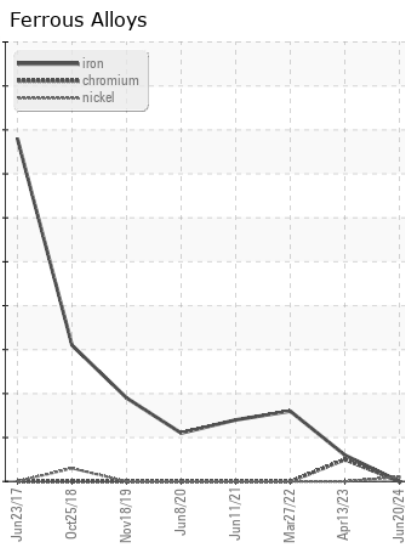
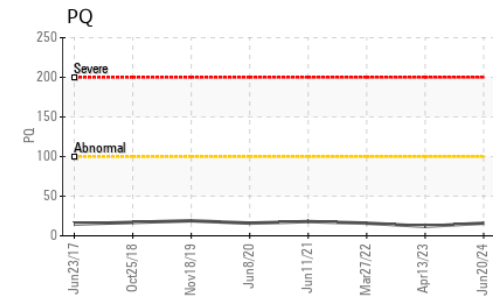
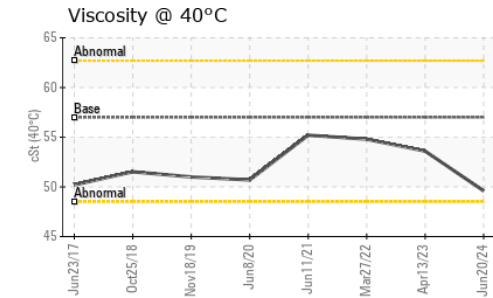
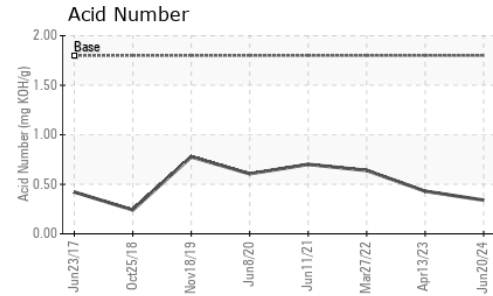
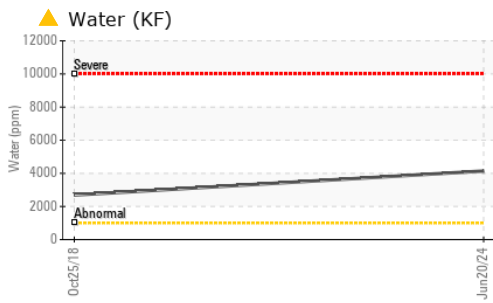
CONTAMINATION

There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205737	JR0162487	JR0113931
Sample Date		Client Info		20 Jun 2024	13 Apr 2023	27 Mar 2022
Machine Age	hrs	Client Info		5826	5513	5408
Oil Age	hrs	Client Info		313	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184		16	12	16
Iron	ppm	ASTM D5185m	>20	0	<1	2
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	1	0	2
Tin	ppm	ASTM D5185m	>10	0	0	0
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	>20	4	2	2
Potassium	ppm	ASTM D5185m	>20	8	3	0
Water	%	ASTM D6304	>0.1	▲ 0.414	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 4140	---	---
Particles >4µm		ASTM D7647	>5000	---	264	▲ 28435
Particles >6µm		ASTM D7647	>1300	---	36	▲ 4615
Particles >14µm		ASTM D7647	>160	---	5	▲ 689
Particles >21µm		ASTM D7647	>40	---	2	▲ 187
Particles >38µm		ASTM D7647	>10	---	0	8
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	15/12/10	▲ 22/19/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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	0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		12	16	1
Boron	ppm	ASTM D5185m	6	7	0	17
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	145	3	2	6
Calcium	ppm	ASTM D5185m	3570	326	59	654
Phosphorus	ppm	ASTM D5185m	1290	566	327	530
Zinc	ppm	ASTM D5185m	1640	226	475	441
Sulfur	ppm	ASTM D5185m		1796	789	2095
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.34	0.43	0.64
Visc @ 40°C	cSt	ASTM D445	57.0	49.6	53.6	54.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205737 **Received** : 24 Jun 2024
Lab Number : 06218061 **Tested** : 25 Jun 2024
Unique Number : 11096258 **Diagnosed** : 25 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, PQ)

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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)