CONST

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta
Machine Id
1T0700KXAJF327378
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (14 GAL)

RECOMMENDATION

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

WEAR

All component wear rates are normal.

CONTAMINATION

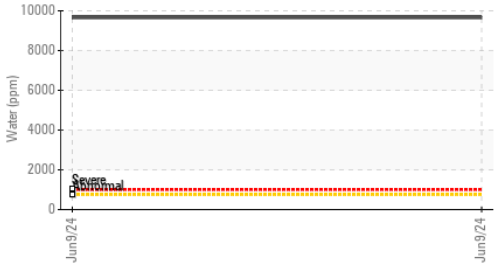
Appearance is milky. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

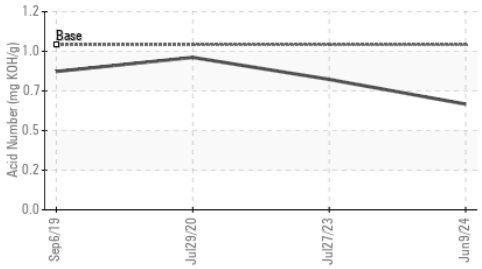
The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049296	LEC0040711	LECP5046833
Sample Date		Client Info		09 Jun 2024	27 Jul 2023	29 Jul 2020
Machine Age	hrs	Client Info		3457	2072	1654
Oil Age	hrs	Client Info		3457	2072	0
Filter Age	hrs	Client Info		1000	1000	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>50	19	12	20
Iron	ppm	ASTM D5185m	>23	5	0	4
Chromium	ppm	ASTM D5185m	>9	2	0	2
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	<1	1
Lead	ppm	ASTM D5185m	>28	0	0	3
Copper	ppm	ASTM D5185m	>51	3	0	6
Tin	ppm	ASTM D5185m	>5	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	>31	4	<1	<1
Potassium	ppm	ASTM D5185m	>20	88	0	3
Water	%	ASTM D6304	>0.075	▲ 0.966	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 9660	---	---
Particles >4µm		ASTM D7647	>80000	---	20558	5745
Particles >6µm		ASTM D7647	>20000	---	6097	667
Particles >14µm		ASTM D7647	>640	---	376	16
Particles >21µm		ASTM D7647	>160	---	83	3
Particles >38µm		ASTM D7647	>40	---	2	0
Particles >71µm		ASTM D7647	>10	---	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	---	22/20/16	20/17/11
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	● MILKY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>21	33	0	2
Boron	ppm	ASTM D5185m		65	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		20	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		58	0	0
Calcium	ppm	ASTM D5185m	87	343	91	77
Phosphorus	ppm	ASTM D5185m	727	415	676	528
Zinc	ppm	ASTM D5185m	900	440	912	807
Sulfur	ppm	ASTM D5185m	1500	1387	1958	1373
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.64	0.79	0.923
Visc @ 40°C	cSt	ASTM D445	65	54.4	62.5	53.4

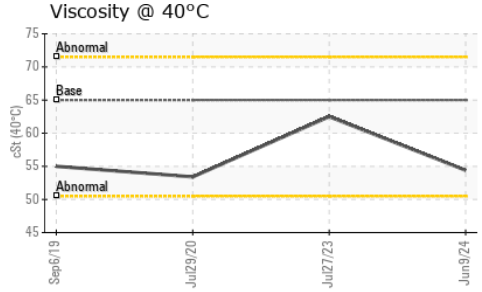
Water (KF)



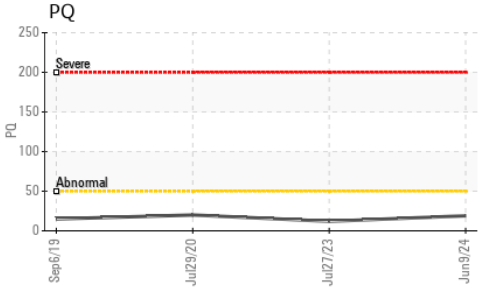
Acid Number



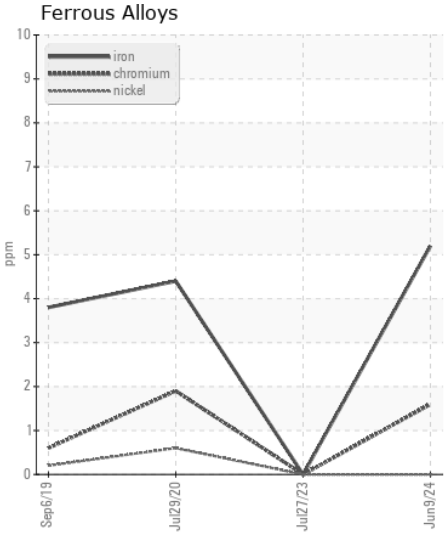
Viscosity @ 40°C



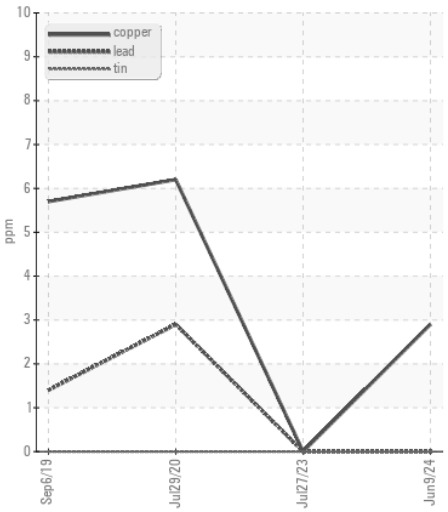
PQ



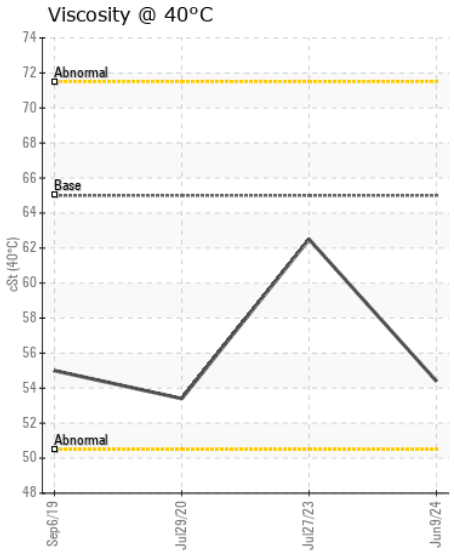
Ferrous Alloys



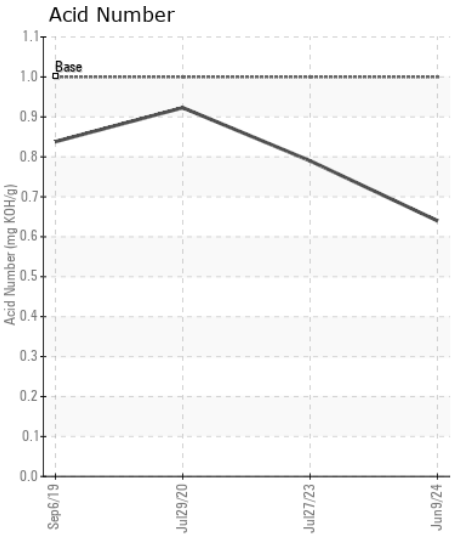
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049296 **Received** : 03 Jul 2024
Lab Number : 06227318 **Tested** : 08 Jul 2024
Unique Number : 11110811 **Diagnosed** : 08 Jul 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, 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)

LANE PIPELINE
2946 E MAIN ST
BRIDGEPORT, WV
US 26330
Contact: JESSE WILBURN
jesseowilburn@gmail.com
T: (740)440-0927
F: