CONST

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta
Machine Id
PRINOTH T14R 935310047
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

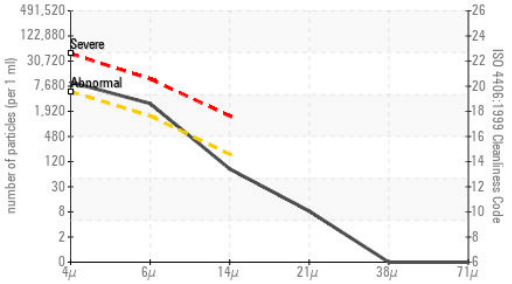
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

FLUID CONDITION

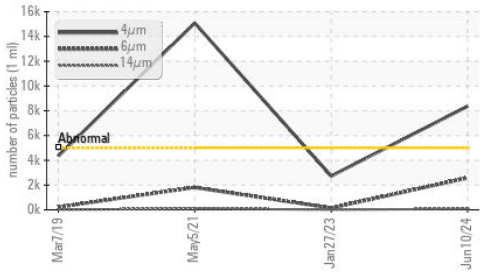
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051632	LEC0039163	LEC0020306
Sample Date		Client Info		10 Jun 2024	27 Jan 2023	05 May 2021
Machine Age	hrs	Client Info		3136	2483	1678
Oil Age	hrs	Client Info		1458	805	1678
Filter Age	hrs	Client Info		653	805	1678
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184		17	12	21
Iron	ppm	ASTM D5185m	>20	11	▲ 25	17
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	3	4	3
Copper	ppm	ASTM D5185m	>75	4	8	7
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	2	1	1
Potassium	ppm	ASTM D5185m	>20	1	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	● 8364	2728	▲ 15085
Particles >6µm		ASTM D7647	>1300	▲ 2580	149	● 1807
Particles >14µm		ASTM D7647	>160	71	10	93
Particles >21µm		ASTM D7647	>40	7	3	33
Particles >38µm		ASTM D7647	>10	0	0	3
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 20/19/13	19/14/10	▲ 21/18/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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
Sodium	ppm	ASTM D5185m		<1	0	1
Boron	ppm	ASTM D5185m		4	0	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		2	3	3
Calcium	ppm	ASTM D5185m	87	195	429	450
Phosphorus	ppm	ASTM D5185m	727	500	199	207
Zinc	ppm	ASTM D5185m	900	588	123	121
Sulfur	ppm	ASTM D5185m	1500	1553	1192	1131
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.58	0.264	1.164
Visc @ 40°C	cSt	ASTM D445	65	51.3	40.7	41.6

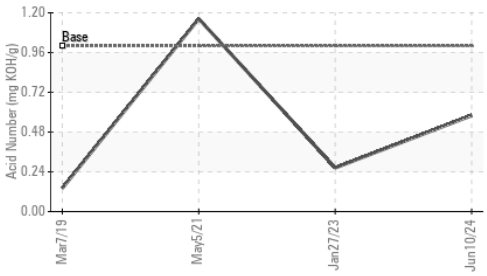
Particle Count



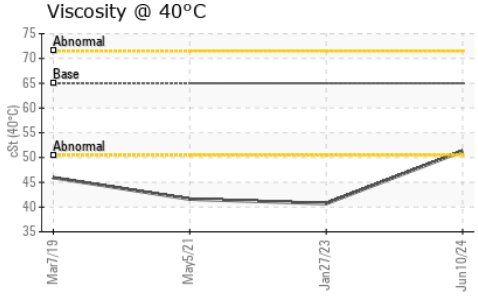
Particle Trend



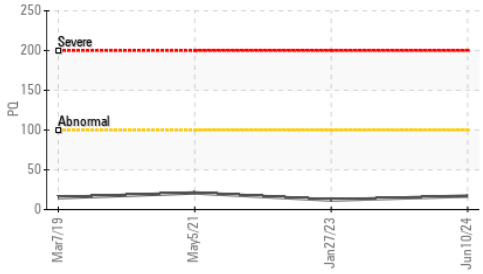
Acid Number



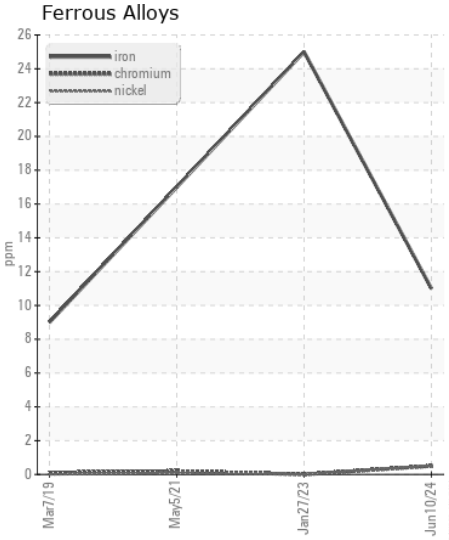
Viscosity @ 40°C



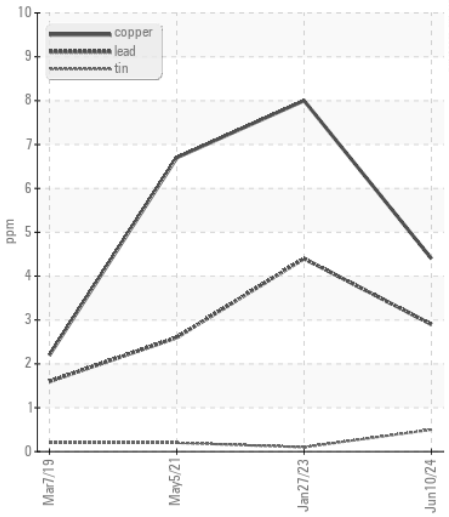
PQ



Ferrous Alloys



Non-ferrous Metals



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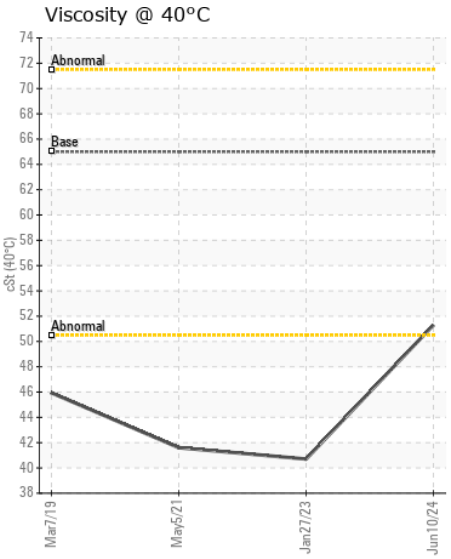
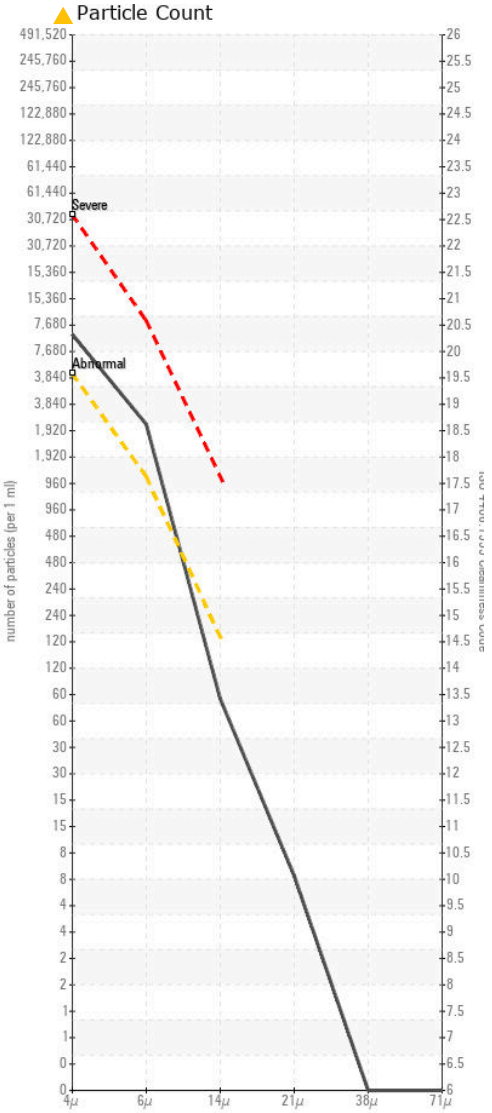
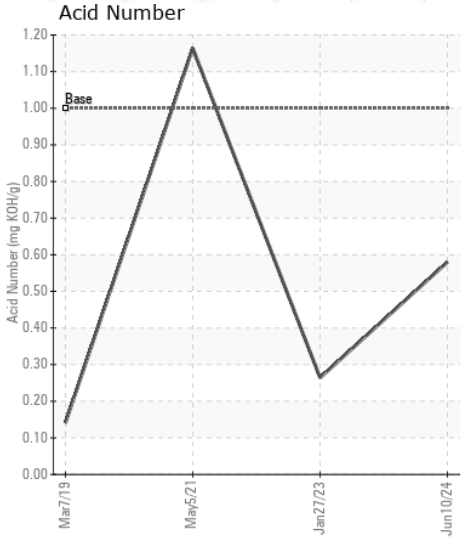


Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051632
Lab Number : 06211511
Unique Number : 11084375
Test Package : CONST (Additional Tests: PQ)

Received : 17 Jun 2024
Tested : 18 Jun 2024
Diagnosed : 18 Jun 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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