LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 850K 1T0850KXLDE249329
Component
Hydraulic System
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

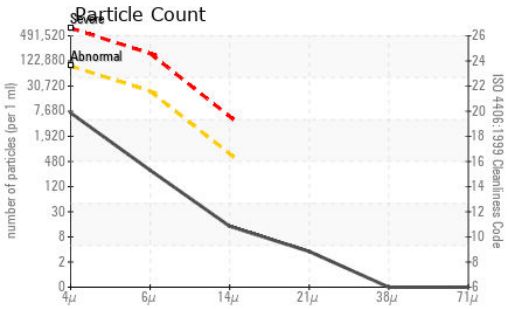
CONTAMINATION

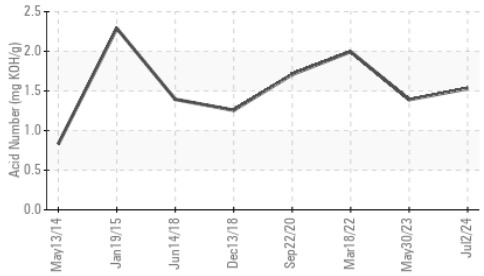
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

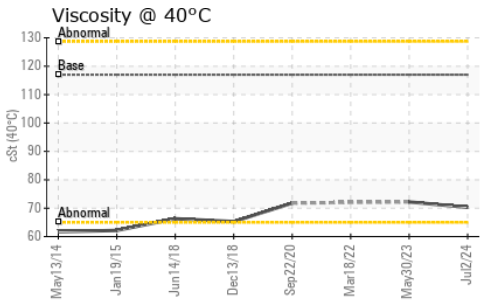
FLUID CONDITION

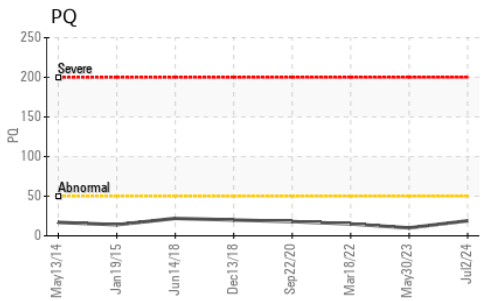
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

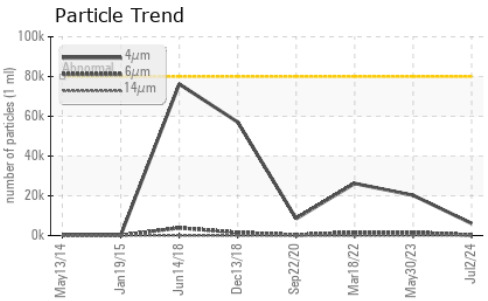
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049406	LEC0039490	LEC0026595
Sample Date		Client Info		02 Jul 2024	30 May 2023	18 Mar 2022
Machine Age	hrs	Client Info		3845	3576	2370
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>50	19	10	15
Iron	ppm	ASTM D5185m	>23	4	4	3
Chromium	ppm	ASTM D5185m	>9	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>9	3	1	2
Lead	ppm	ASTM D5185m	>28	3	2	3
Copper	ppm	ASTM D5185m	>51	23	16	15
Tin	ppm	ASTM D5185m	>5	<1	2	<1
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	>31	9	8	8
Potassium	ppm	ASTM D5185m	>20	3	2	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	6088	20244	26221
Particles >6µm		ASTM D7647	>20000	261	1639	1718
Particles >14µm		ASTM D7647	>640	12	68	32
Particles >21µm		ASTM D7647	>160	3	13	7
Particles >38µm		ASTM D7647	>40	0	1	2
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	20/15/11	22/18/13	22/18/12
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	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>21	0	0	2
Boron	ppm	ASTM D5185m		157	153	164
Barium	ppm	ASTM D5185m		1	7	0
Molybdenum	ppm	ASTM D5185m		120	102	114
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		475	420	457
Calcium	ppm	ASTM D5185m		1969	1673	2090
Phosphorus	ppm	ASTM D5185m		765	811	959
Zinc	ppm	ASTM D5185m		1073	986	1069
Sulfur	ppm	ASTM D5185m		2932	3395	3122
Acid Number (AN)	mg KOH/g	ASTM D8045		1.53	1.39	1.996
Visc @ 40°C	cSt	ASTM D445	117	70.3	72.2	---

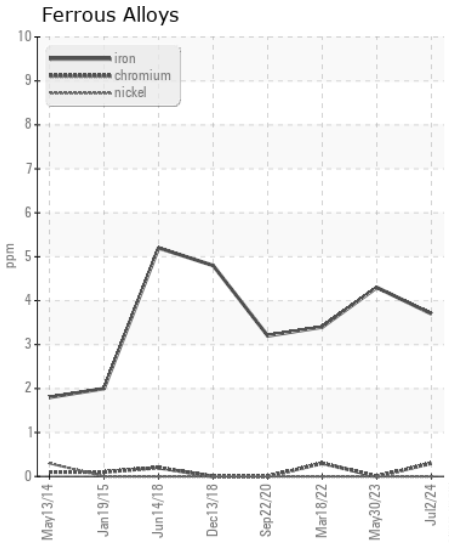


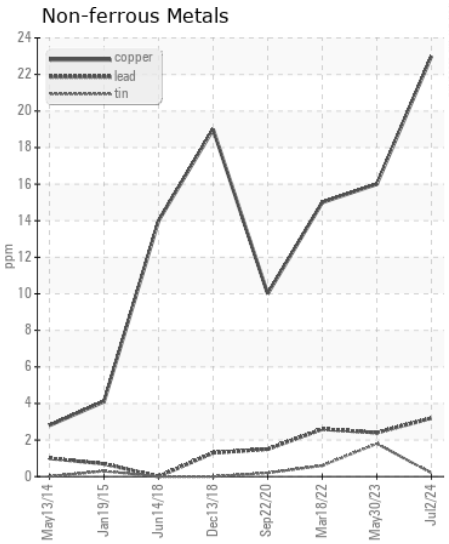


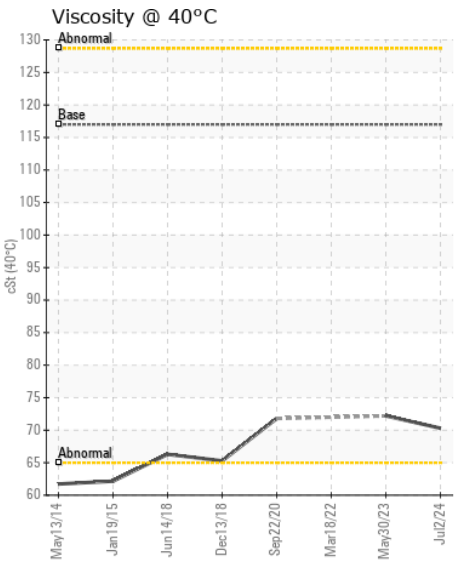


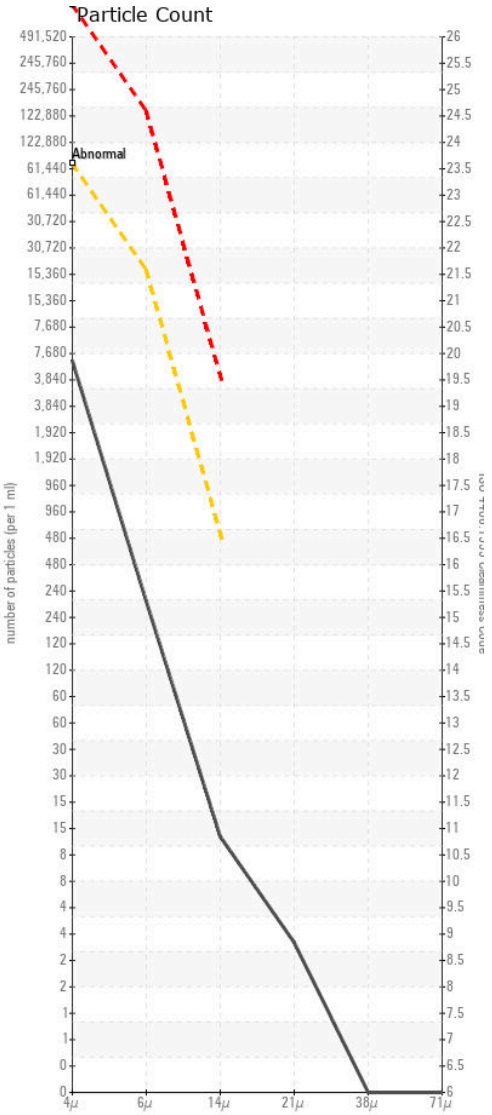


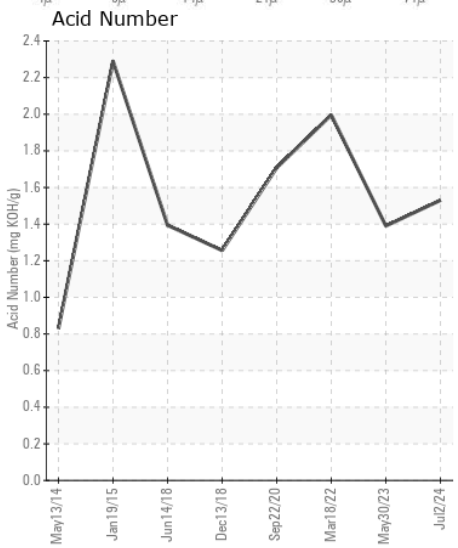












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049406
Lab Number : 06235808
Unique Number : 11124642
Test Package : CONST (Additional Tests: PQ)

Received : 15 Jul 2024
Tested : 16 Jul 2024
Diagnosed : 16 Jul 2024 - Wes Davis

Certificate L2367

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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