CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[48053]
Machine Id
JOHN DEERE 755K 1T0755KXEMF403799
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (150 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

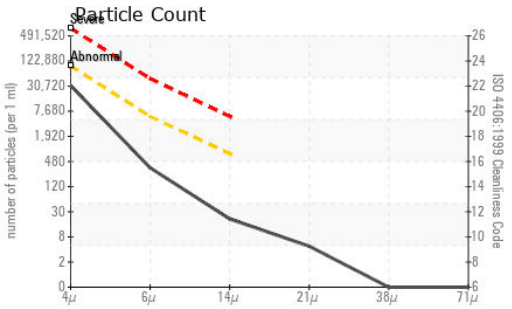
CONTAMINATION

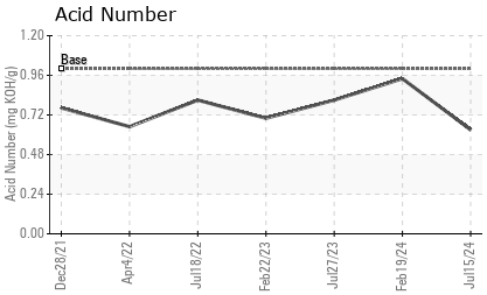
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

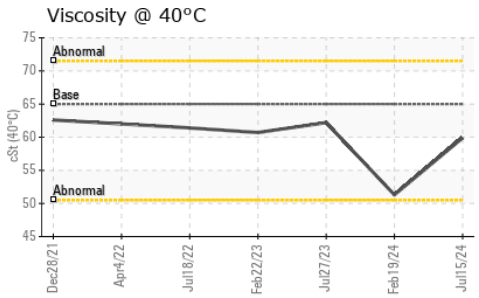
FLUID CONDITION

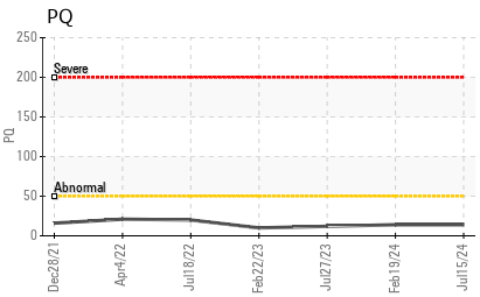
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

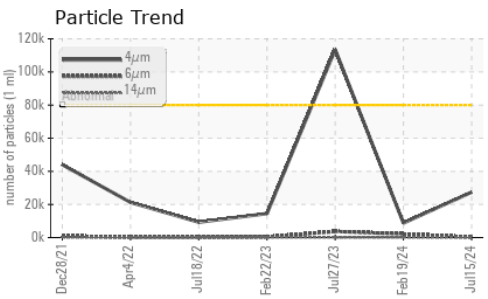
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0225478**	JR0203260	JR0182142
Sample Date		Client Info		**15 Jul 2024**	19 Feb 2024	27 Jul 2023
Machine Age	hrs	Client Info		**3402**	2923	2432
Oil Age	hrs	Client Info		**2396**	2408	515
Filter Age	hrs	Client Info		**0**	2408	0
Oil Changed		Client Info		**Not Changd**	Not Changd	N/A
Filter Changed		Client Info		**Not Changd**	Not Changd	N/A
Sample Status				**NORMAL**	NORMAL	ATTENTION
PQ		ASTM D8184	>50	**14**	14	12
Iron	ppm	ASTM D5185m	>71	**4**	4	5
Chromium	ppm	ASTM D5185m	>11	**3**	<1	4
Nickel	ppm	ASTM D5185m	>6	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>11	**<1**	1	<1
Lead	ppm	ASTM D5185m	>13	**0**	<1	0
Copper	ppm	ASTM D5185m	>21	**8**	2	4
Tin	ppm	ASTM D5185m	>5	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>24	**1**	<1	2
Potassium	ppm	ASTM D5185m	>20	**0**	2	3
Water		WC Method	>0.075	**NEG**	NEG	NEG
Particles >4µm		ASTM D7647	>80000	**27434**	8736	113496
Particles >6µm		ASTM D7647	>5000	**298**	2181	3676
Particles >14µm		ASTM D7647	>640	**18**	119	47
Particles >21µm		ASTM D7647	>160	**4**	29	9
Particles >38µm		ASTM D7647	>40	**0**	2	1
Particles >71µm		ASTM D7647	>10	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	**22/15/11**	20/18/14	24/19/13
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	>0.075	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m	>21	**1**	0	2
Boron	ppm	ASTM D5185m		**0**	3	0
Barium	ppm	ASTM D5185m		**0**	3	0
Molybdenum	ppm	ASTM D5185m		**2**	7	8
Manganese	ppm	ASTM D5185m		**0**	0	<1
Magnesium	ppm	ASTM D5185m		**47**	41	117
Calcium	ppm	ASTM D5185m	87	**220**	350	427
Phosphorus	ppm	ASTM D5185m	727	**729**	488	694
Zinc	ppm	ASTM D5185m	900	**873**	635	912
Sulfur	ppm	ASTM D5185m	1500	**2048**	1457	2362
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	**0.63**	0.94	0.81
Visc @ 40°C	cSt	ASTM D445	65	**59.9**	51.3	62.2

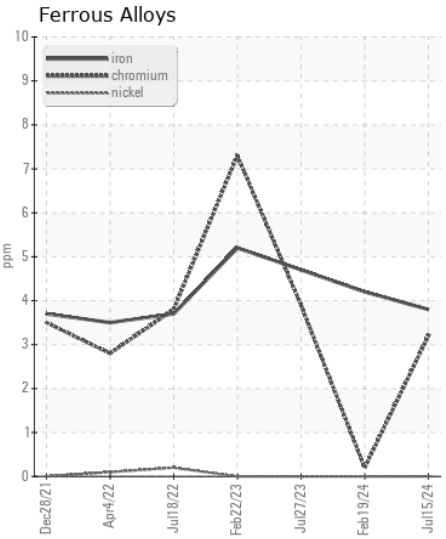


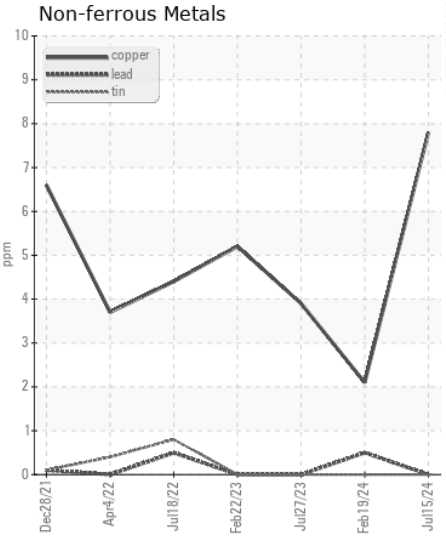


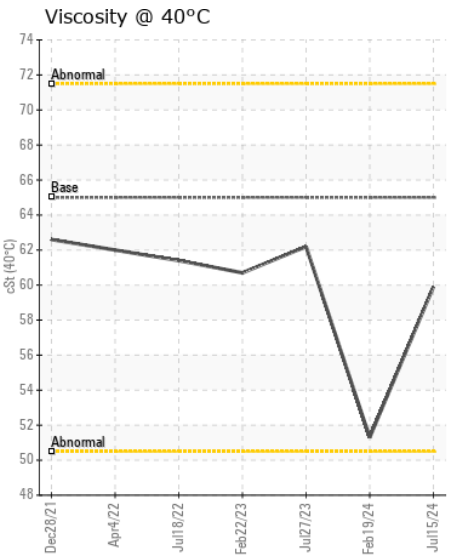


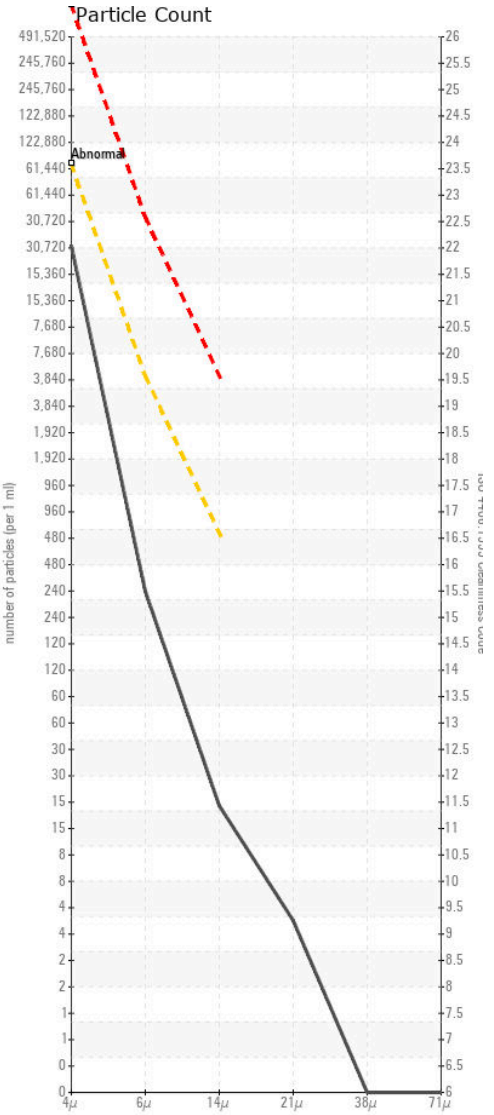


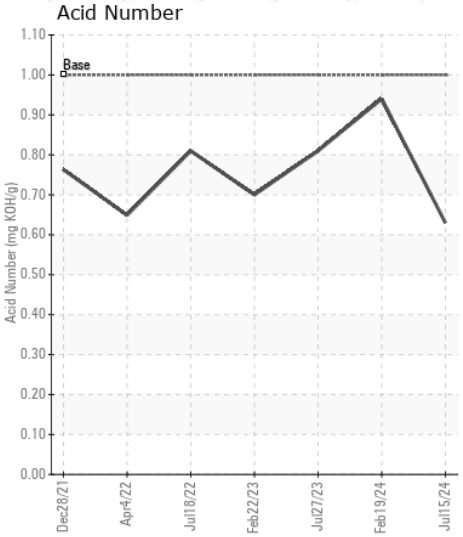












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225478
Lab Number : 06237658
Unique Number : 11126492
Test Package : CONST (Additional Tests: PQ)

Received : 16 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 17 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)

CWS-STRITTMATTER
9102 OWENS DR
MANASSAS PARK, VA
US 20111
Contact: EDDIE GARRETSON
egarretson@strittmattercompanies.com
T: (703)335-2255
F: (703)335-8095