CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W66955]
Machine Id
JOHN DEERE 750K 1T0750KXHKF363027
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (20 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W66955)

WEAR

All component wear rates are normal.

CONTAMINATION

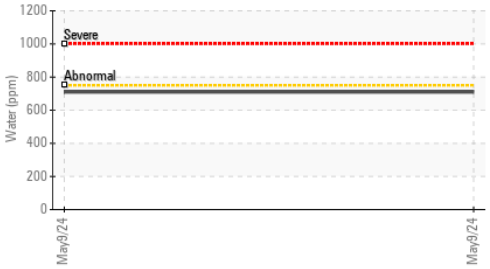
There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

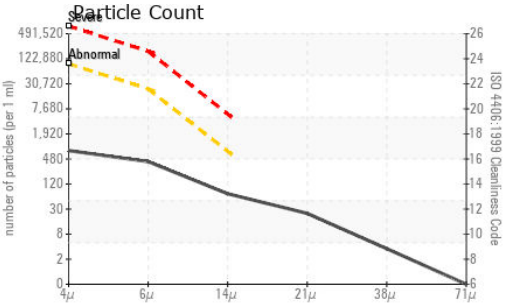
The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215429	JR0198707	JR0188665
Sample Date		Client Info		09 May 2024	15 Jan 2024	29 Sep 2023
Machine Age	hrs	Client Info		7157	6578	6002
Oil Age	hrs	Client Info		6581	576	5057
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184	>50	18	14	15
Iron	ppm	ASTM D5185m	>23	4	0	6
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		0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	<1	2
Lead	ppm	ASTM D5185m	>28	0	0	0
Copper	ppm	ASTM D5185m	>51	1	0	2
Tin	ppm	ASTM D5185m	>5	<1	<1	0
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	4	<1	3
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.075	▲ 0.071	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 710	---	---
Particles >4µm		ASTM D7647	>80000	670	35407	50661
Particles >6µm		ASTM D7647	>20000	365	4837	12104
Particles >14µm		ASTM D7647	>640	62	67	▲ 1360
Particles >21µm		ASTM D7647	>160	21	8	● 304
Particles >38µm		ASTM D7647	>40	3	0	4
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	17/16/13	22/19/13	▲ 23/21/18
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	0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>21	<1	0	0
Boron	ppm	ASTM D5185m		<1	3	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		7	14	8
Calcium	ppm	ASTM D5185m	87	114	103	296
Phosphorus	ppm	ASTM D5185m	727	704	689	646
Zinc	ppm	ASTM D5185m	900	862	842	862
Sulfur	ppm	ASTM D5185m	1500	1758	1582	1870
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.86	0.66	0.88
Visc @ 40°C	cSt	ASTM D445	65	59.1	62.5	58.7

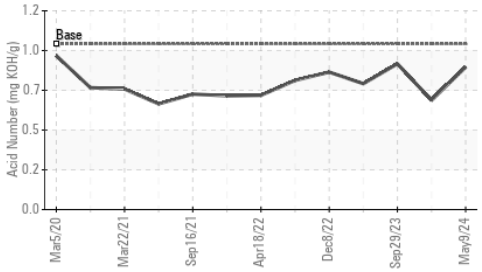
Water (KF)



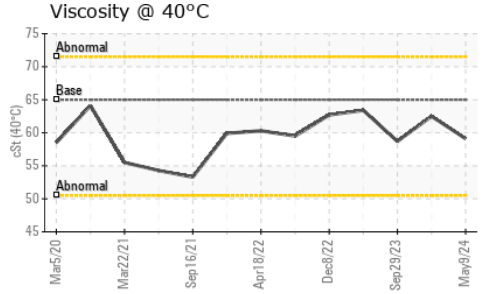
Particle Count



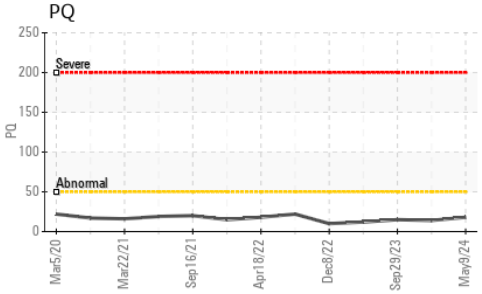
Acid Number



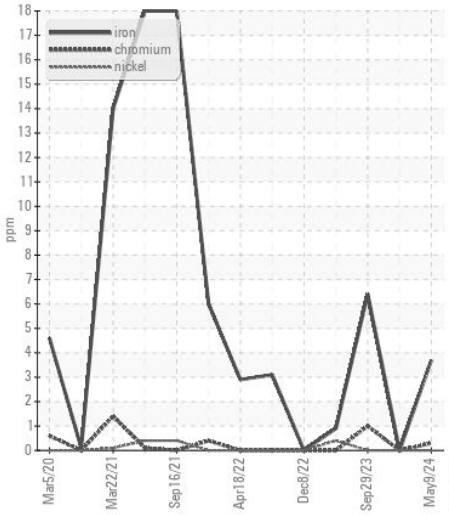
Viscosity @ 40°C



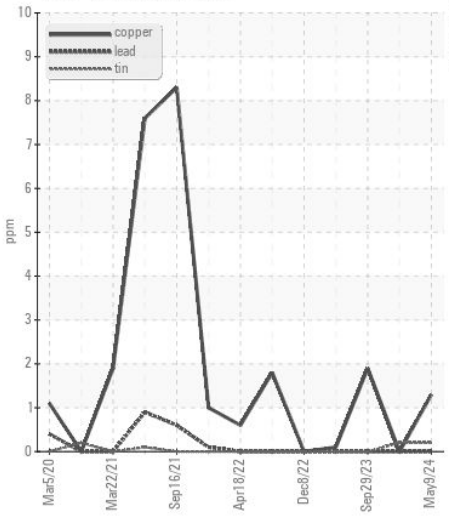
PQ



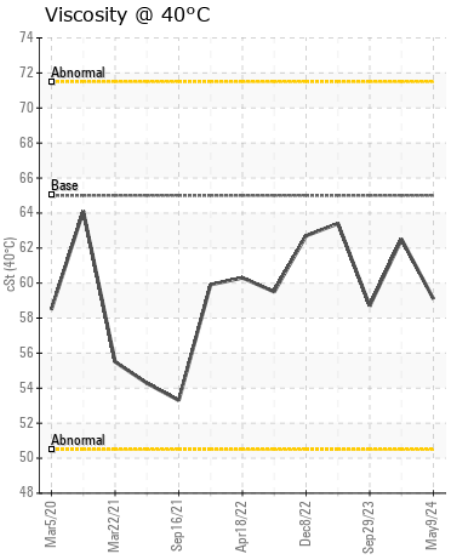
Ferrous Alloys



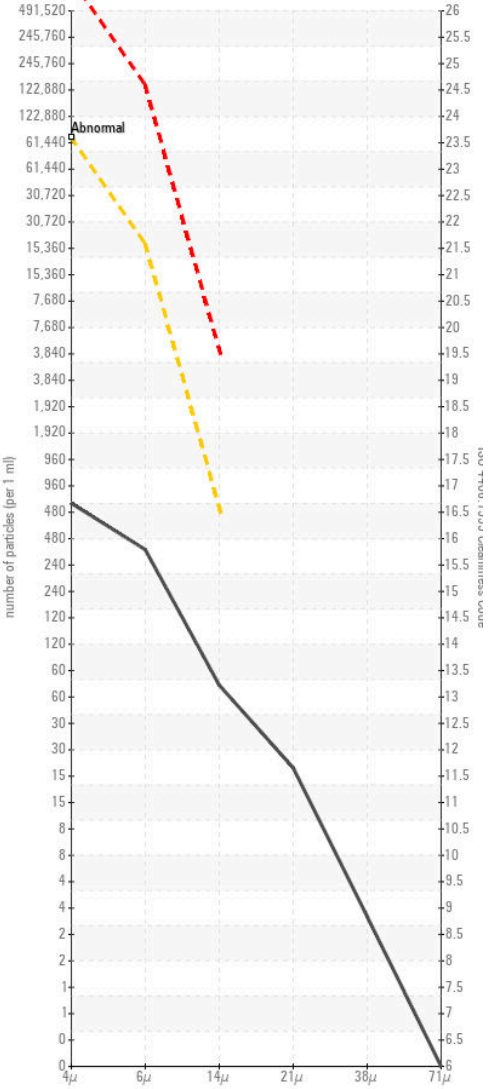
Non-ferrous Metals



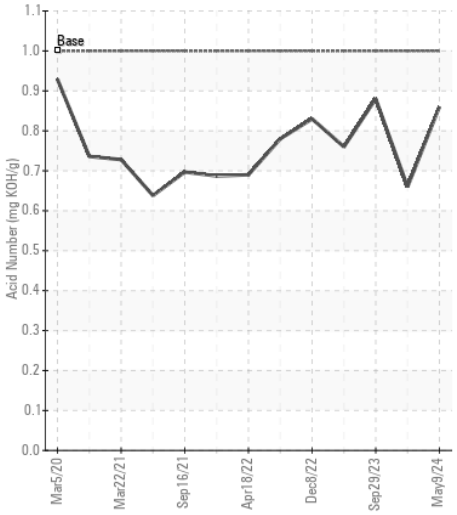
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215429
Lab Number : 06175377
Unique Number : 11021430
Test Package : CONST (Additional Tests: KF, PQ)

Received : 10 May 2024
Tested : 18 May 2024
Diagnosed : 18 May 2024 - Jonathan Hester

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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