James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W66955]
Machine Id
JOHN DEERE 750K 1T0750KXHKF363027
Component
Left Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (3 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W66955)

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

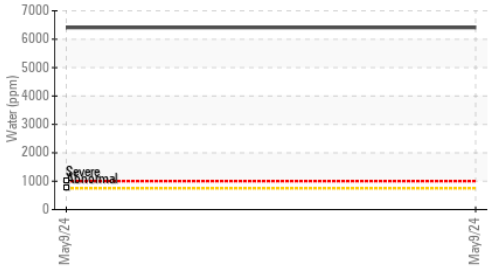
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0215433**	JR0198571	JR0188666
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		**Changed**	Not Changd	Changed
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	NORMAL	NORMAL
PQ		ASTM D8184	>1250	**68**	16	33
Iron	ppm	ASTM D5185m	>750	**78**	<1	56
Chromium	ppm	ASTM D5185m	>9	**<1**	0	<1
Nickel	ppm	ASTM D5185m	>10	**<1**	0	0
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>40	**14**	<1	<1
Lead	ppm	ASTM D5185m	>15	**0**	<1	0
Copper	ppm	ASTM D5185m	>40	**<1**	0	<1
Tin	ppm	ASTM D5185m	>10	**<1**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	0	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**39**	5	6
Potassium	ppm	ASTM D5185m	>20	**6**	<1	0
Water	%	ASTM D6304	>0.075	▲ **0.641**	---	---
ppm Water	ppm	ASTM D6304	>750	▲ **6410**	---	---
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	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	▲ **0.2%**	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	**0**	<1	2
Boron	ppm	ASTM D5185m	6	**0**	<1	0
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**<1**	0	<1
Manganese	ppm	ASTM D5185m		**<1**	0	<1
Magnesium	ppm	ASTM D5185m	145	**103**	106	98
Calcium	ppm	ASTM D5185m	3570	**3480**	3374	3356
Phosphorus	ppm	ASTM D5185m	1290	**1179**	1064	971
Zinc	ppm	ASTM D5185m	1640	**1283**	1282	1227
Sulfur	ppm	ASTM D5185m		**3988**	3890	3198
Visc @ 40°C	cSt	ASTM D445	57.0	**52.7**	59.6	51.9

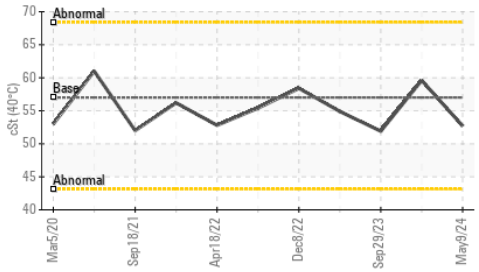
Report Id: JAMCHA [WUSCAR] 06175774 (Generated: 05/14/2024 16:17:43) Rev: 1

Submitted By: Mike Young - CHARLOTTE SHOP

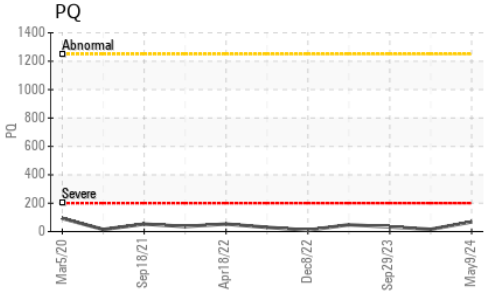
Water (KF)



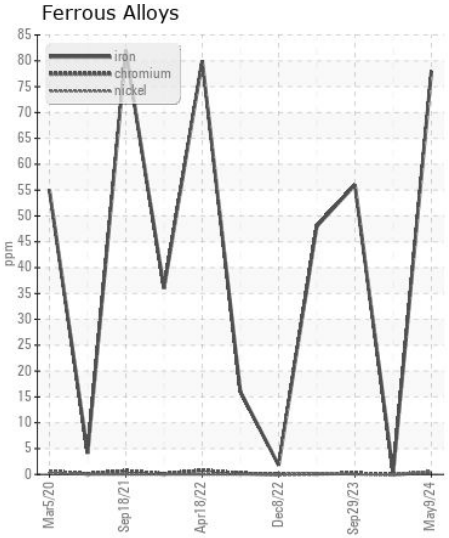
Viscosity @ 40°C



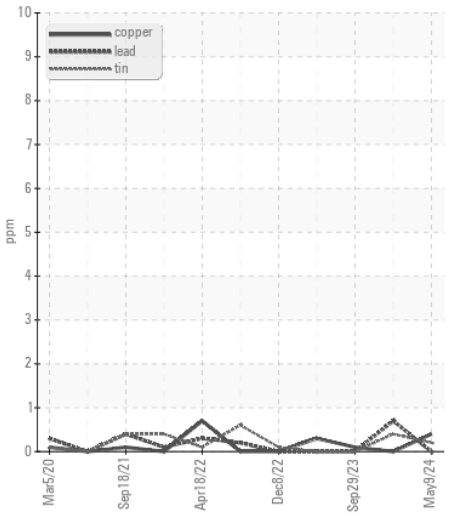
PQ



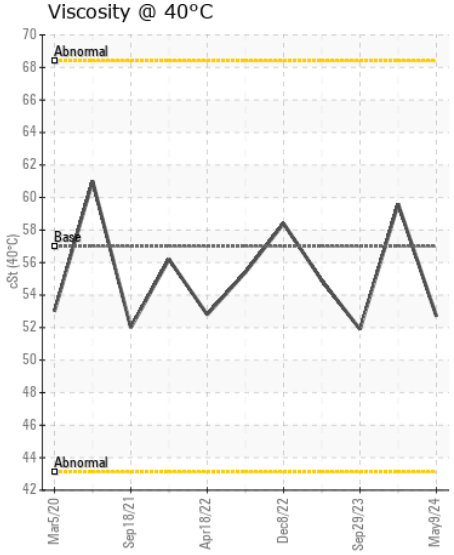
Ferrous Alloys



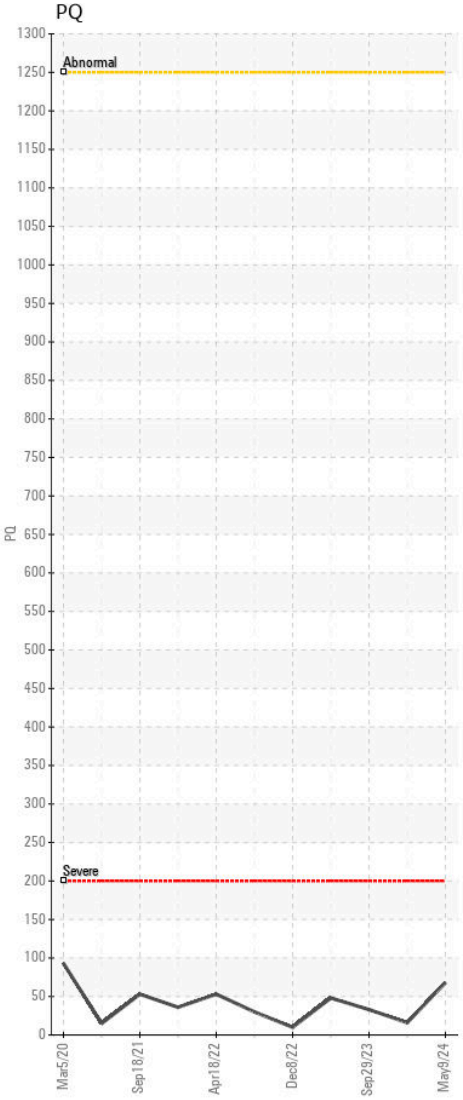
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215433
Lab Number : 06175774
Unique Number : 11021827
Test Package : CONST (Additional Tests: KF, PQ)

Received : 10 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Sean Felton

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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