CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 744K 1DW744KXKKF693860
Component
Rear Differential
Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The lead level is abnormal. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

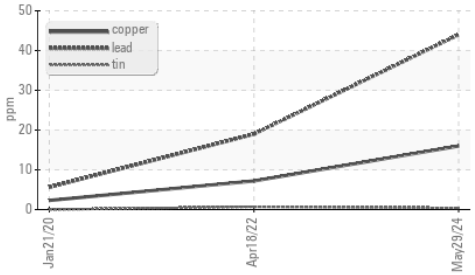
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0215855**	JR0128023	JR0031812
Sample Date		Client Info		**29 May 2024**	18 Apr 2022	21 Jan 2020
Machine Age	hrs	Client Info		**1029**	1029	70
Oil Age	hrs	Client Info		**70**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	Not Changd	Changed
Filter Changed		Client Info		**N/A**	Changed	Changed
Sample Status				**ABNORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**43**	24	35
Iron	ppm	ASTM D5185m	>500	**156**	94	26
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	<1
Nickel	ppm	ASTM D5185m	>10	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**0**	2	<1
Lead	ppm	ASTM D5185m	>25	▲ **44**	19	6
Copper	ppm	ASTM D5185m	>100	**16**	7	2
Tin	ppm	ASTM D5185m	>10	**<1**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	<1	0
White Metal	scalar	*Visual	NONE	**NONE**	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**3**	3	5
Potassium	ppm	ASTM D5185m	>20	**0**	2	0
Water		WC Method	>.2	**NEG**	NEG	NEG
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	>.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**4**	1	4
Boron	ppm	ASTM D5185m	10	**0**	2	4
Barium	ppm	ASTM D5185m	10	**<1**	0	3
Molybdenum	ppm	ASTM D5185m	10	**<1**	<1	0
Manganese	ppm	ASTM D5185m		**2**	2	3
Magnesium	ppm	ASTM D5185m	100	**85**	89	95
Calcium	ppm	ASTM D5185m	3500	**3225**	3401	3424
Phosphorus	ppm	ASTM D5185m	1150	**948**	988	960
Zinc	ppm	ASTM D5185m	1150	**1116**	1213	1161
Sulfur	ppm	ASTM D5185m	5000	**3701**	2825	3366
Visc @ 40°C	cSt	ASTM D445	48	**52.9**	54.8	56.1

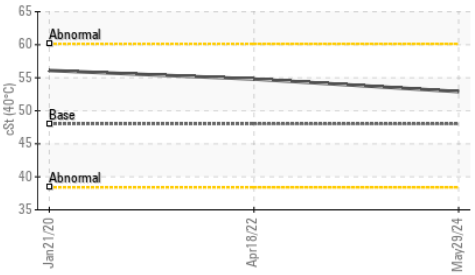
Report Id: JAMGRE [WUSCAR] 06196047 (Generated: 06/02/2024 12:57:15) Rev: 1

Submitted By: John Roberts

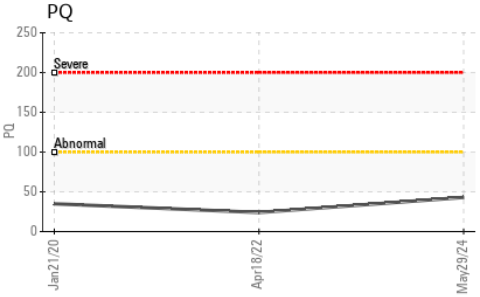
Non-ferrous Metals



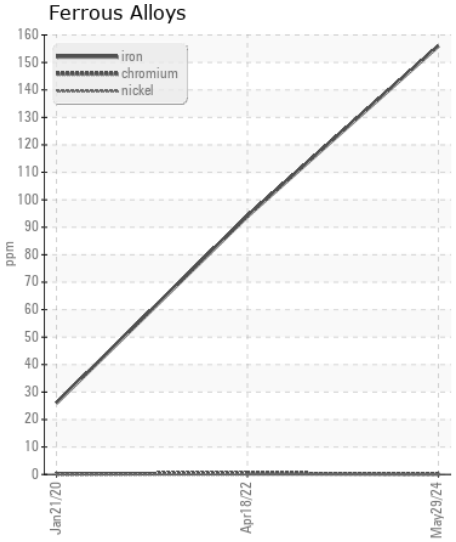
Viscosity @ 40°C



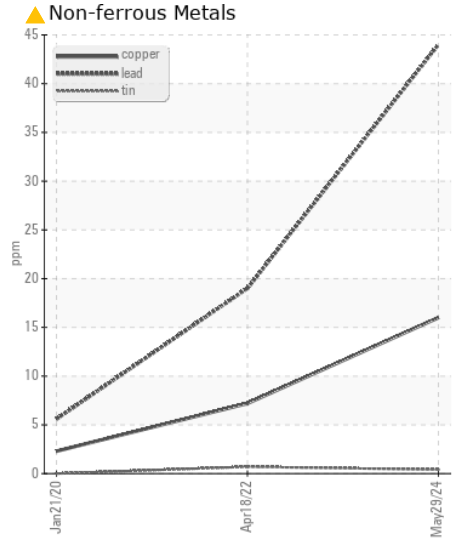
PQ



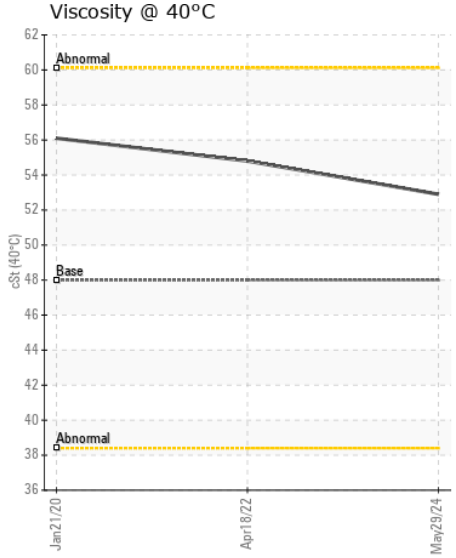
Ferrous Alloys



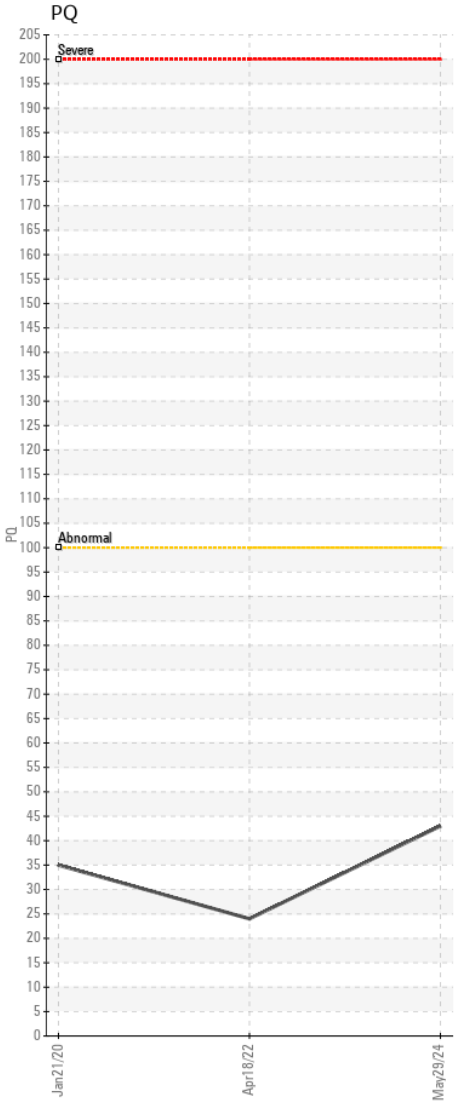
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215855
Lab Number : 06196047
Unique Number : 11058170
Test Package : CONST (Additional Tests: PQ)

Received : 30 May 2024
Tested : 02 Jun 2024
Diagnosed : 02 Jun 2024 - Don Baldridge

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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