James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 324L 1LU324LXCZB064685
Component
Rear Axle
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

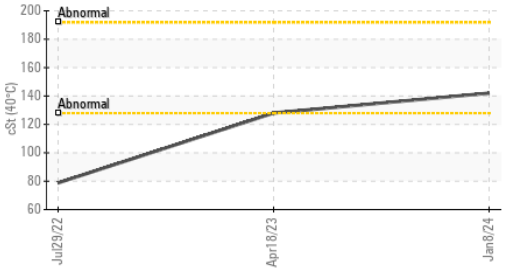
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0201390**	JR0168307	JR0135766
Sample Date		Client Info		**08 Jan 2024**	18 Apr 2023	29 Jul 2022
Machine Age	hrs	Client Info		**2994**	2050	1054
Oil Age	hrs	Client Info		**944**	996	1054
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	ABNORMAL	ABNORMAL
PQ		ASTM D8184		**27**	42	110
Iron	ppm	ASTM D5185m	>750	**20**	107	193
Chromium	ppm	ASTM D5185m	>11	**0**	1	3
Nickel	ppm	ASTM D5185m	>10	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>21	**<1**	▲ 7	<1
Lead	ppm	ASTM D5185m	>49	**0**	0	<1
Copper	ppm	ASTM D5185m	>101	**2**	2	4
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	**<1**	▲ 33	▲ 48
Potassium	ppm	ASTM D5185m	>20	**0**	0	5
Water		WC Method	>0.1	**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	>0.1	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	**0**	1	0
Boron	ppm	ASTM D5185m		**184**	163	153
Barium	ppm	ASTM D5185m		**0**	0	<1
Molybdenum	ppm	ASTM D5185m		**0**	<1	<1
Manganese	ppm	ASTM D5185m		**1**	3	4
Magnesium	ppm	ASTM D5185m		**<1**	4	4
Calcium	ppm	ASTM D5185m		**85**	145	888
Phosphorus	ppm	ASTM D5185m		**1060**	921	740
Zinc	ppm	ASTM D5185m		**51**	268	1559
Sulfur	ppm	ASTM D5185m		**23545**	19978	7525
Visc @ 40°C	cSt	ASTM D445		**142**	128	78.8

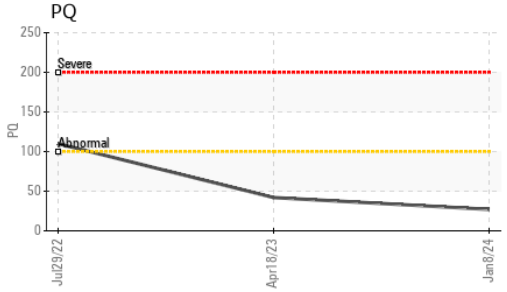
Report Id: VANASH [WUSCAR] 06062211 (Generated: 01/19/2024 17:20:06) Rev: 1

Contact/Location: Randy Warren - VANASH

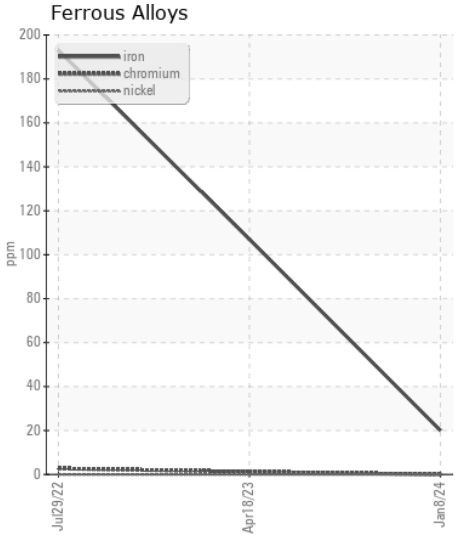
Viscosity @ 40°C



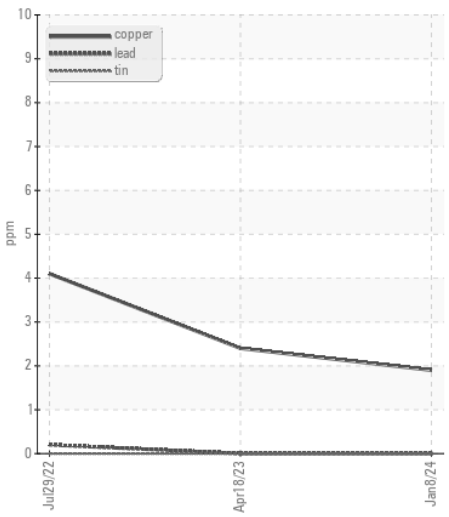
PQ



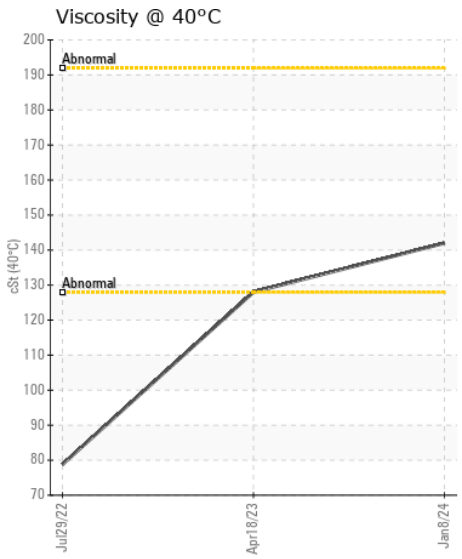
Ferrous Alloys



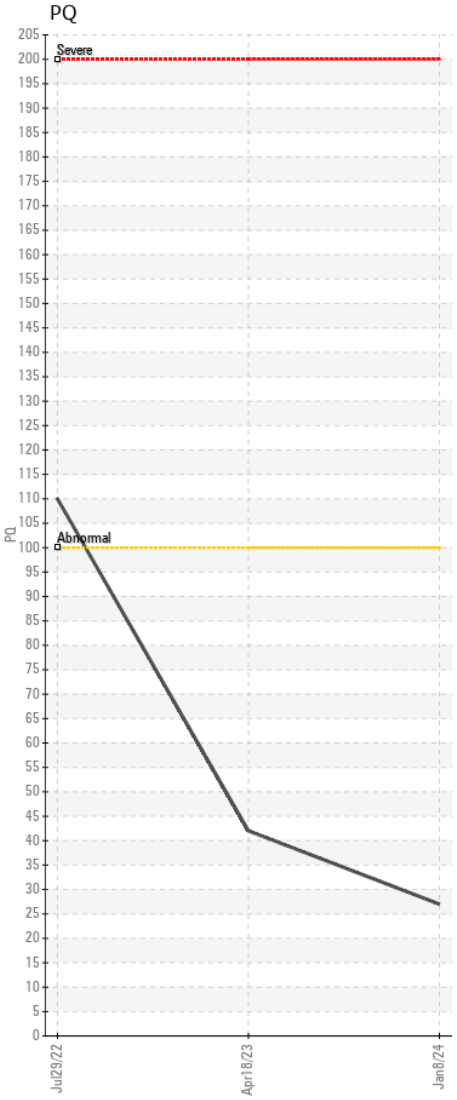
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0201390 **Recieved** : 16 Jan 2024
Lab Number : 06062211 **Diagnosed** : 18 Jan 2024
Unique Number : 10833593 **Diagnostician** : Don Baldridge
Test Package : CONST (Additional Tests: PQ)

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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