James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624K 1DW624KZKJF688935
Component
Rear Differential
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

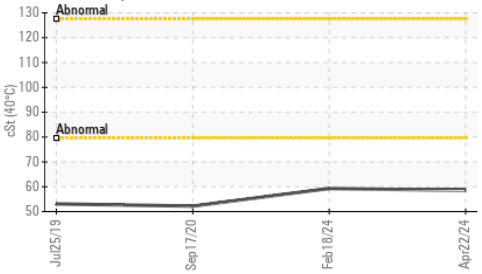
There is no indication of any contamination in the oil.

FLUID CONDITION

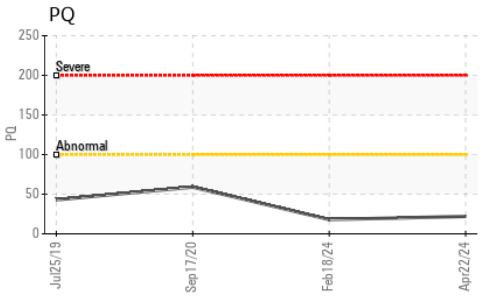
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0205118**	JR0205169	JRMC410597
Sample Date		Client Info		**22 Apr 2024**	18 Feb 2024	17 Sep 2020
Machine Age	hrs	Client Info		**8505**	8078	2345
Oil Age	hrs	Client Info		**0**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
PQ		ASTM D8184		**22**	18	59
Iron	ppm	ASTM D5185m	>500	**30**	22	278
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	1
Nickel	ppm	ASTM D5185m	>10	**<1**	0	2
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**2**	2	0
Lead	ppm	ASTM D5185m	>25	**6**	4	42
Copper	ppm	ASTM D5185m	>100	**13**	11	88
Tin	ppm	ASTM D5185m	>10	**<1**	<1	7
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	**5**	3	8
Potassium	ppm	ASTM D5185m	>20	**2**	2	3
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		**2**	0	14
Boron	ppm	ASTM D5185m		**50**	45	7
Barium	ppm	ASTM D5185m		**0**	10	5
Molybdenum	ppm	ASTM D5185m		**41**	40	<1
Manganese	ppm	ASTM D5185m		**<1**	0	4
Magnesium	ppm	ASTM D5185m		**208**	195	81
Calcium	ppm	ASTM D5185m		**2968**	2801	3200
Phosphorus	ppm	ASTM D5185m		**987**	993	1036
Zinc	ppm	ASTM D5185m		**1192**	1120	1192
Sulfur	ppm	ASTM D5185m		**3577**	3661	3283
Visc @ 40°C	cSt	ASTM D445		**58.5**	59.3	52.2

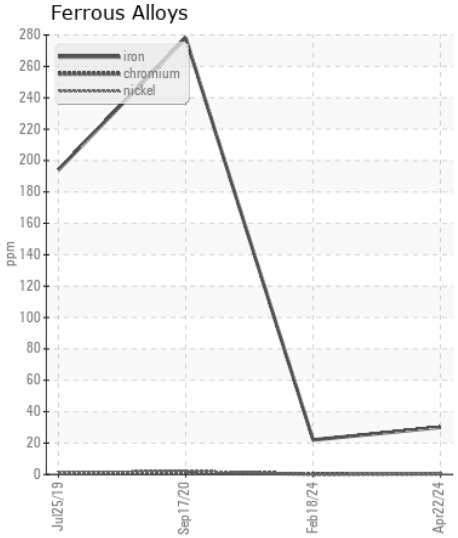
Viscosity @ 40°C



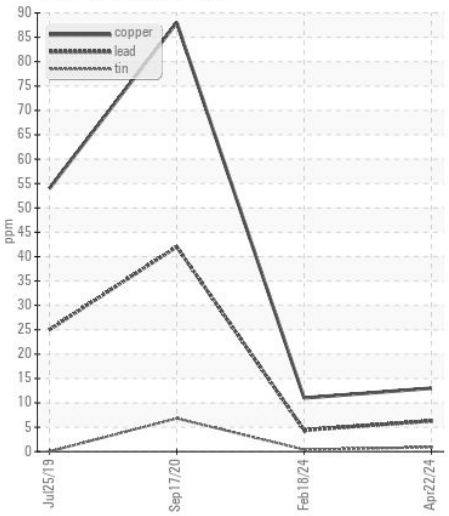
PQ



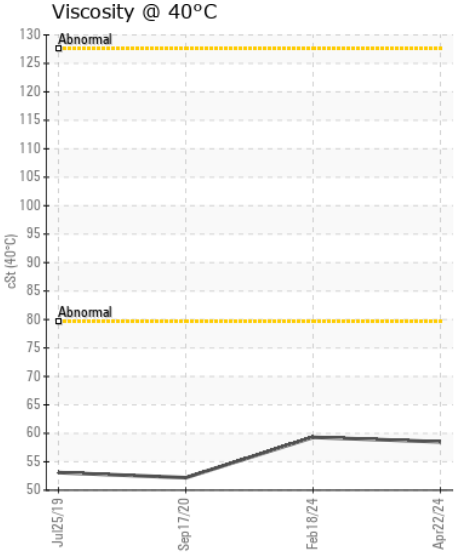
Ferrous Alloys



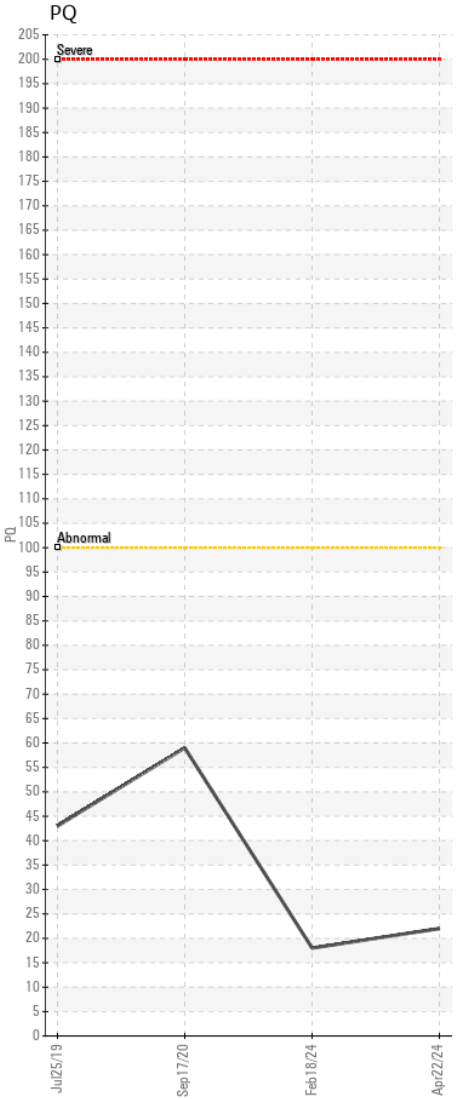
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205118 **Received** : 23 Apr 2024
Lab Number : 06157991 **Tested** : 24 Apr 2024
Unique Number : 10993414 **Diagnosed** : 24 Apr 2024 - Wes Davis
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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