CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W52632 ADVANSIX]
Machine Id
JOHN DEERE 824K 1DW824KXTHF680767
Component
Front Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

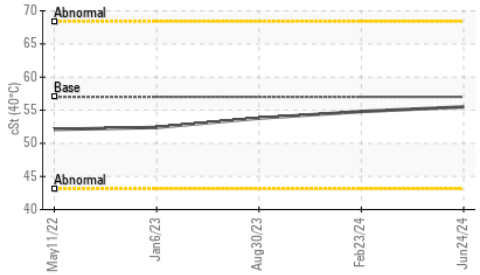
There is no indication of any contamination in the oil.

FLUID CONDITION

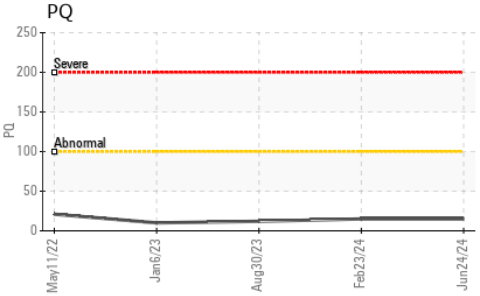
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212050	JR0200467	JR0180154
Sample Date		Client Info		24 Jun 2024	23 Feb 2024	30 Aug 2023
Machine Age	hrs	Client Info		12044	10186	8140
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184		15	15	12
Iron	ppm	ASTM D5185m	>1501	15	12	12
Chromium	ppm	ASTM D5185m	>11	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	3	<1	2
Lead	ppm	ASTM D5185m	>51	14	11	22
Copper	ppm	ASTM D5185m	>101	9	4	8
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
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	3	4
Potassium	ppm	ASTM D5185m	>20	2	0	1
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	2	0
Boron	ppm	ASTM D5185m	6	14	6	10
Barium	ppm	ASTM D5185m	0	1	0	2
Molybdenum	ppm	ASTM D5185m	0	9	3	3
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m	145	118	105	104
Calcium	ppm	ASTM D5185m	3570	3382	3237	3373
Phosphorus	ppm	ASTM D5185m	1290	948	961	1037
Zinc	ppm	ASTM D5185m	1640	1220	1109	1247
Sulfur	ppm	ASTM D5185m		3670	3729	4025
Visc @ 40°C	cSt	ASTM D445	57.0	55.5	54.8	53.8

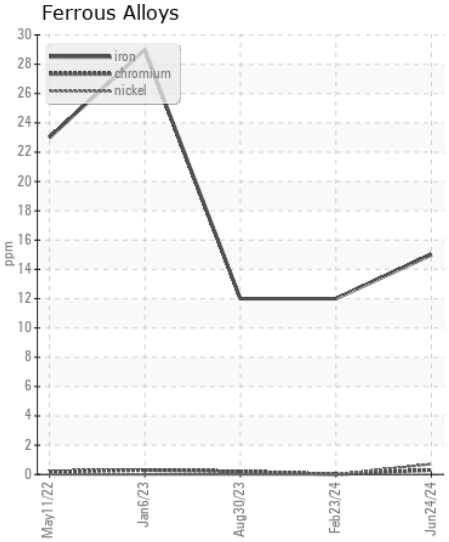
Viscosity @ 40°C



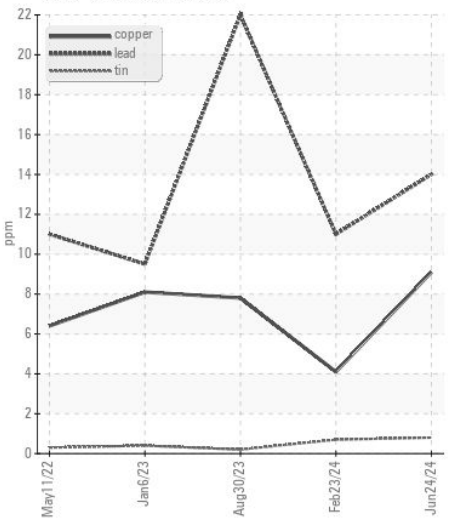
PQ



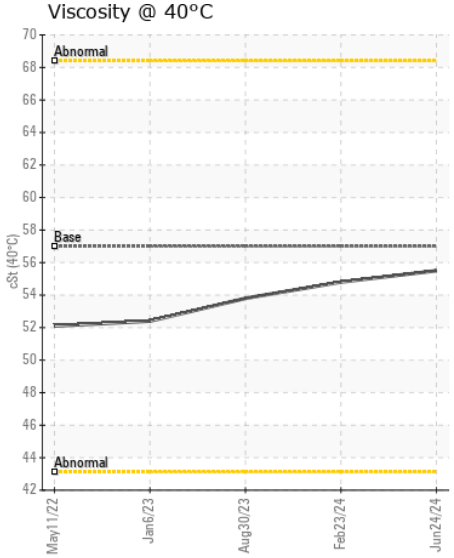
Ferrous Alloys



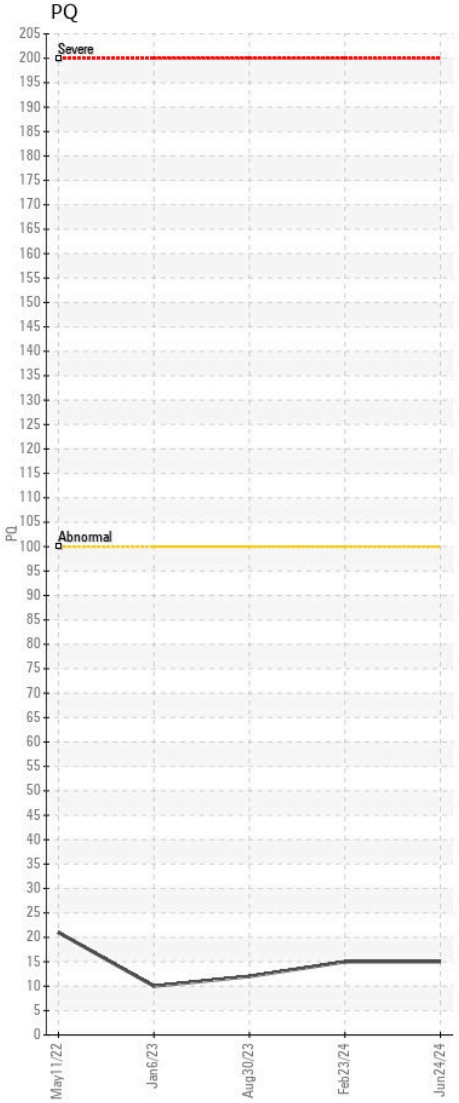
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212050 **Received** : 25 Jun 2024
Lab Number : 06219968 **Tested** : 26 Jun 2024
Unique Number : 11098165 **Diagnosed** : 26 Jun 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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