



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W65255]
Machine Id
JOHN DEERE 624K 1DW624KZHJF685923
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W65255)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206467	JR0151006	JR0134163
Sample Date		Client Info		18 Mar 2024	20 Dec 2022	22 Jul 2022
Machine Age	hrs	Client Info		9456	9456	8734
Oil Age	hrs	Client Info		9456	500	0
Filter Age	hrs	Client Info		0	500	0
Oil Changed		Client Info		Not Changed	Changed	N/A
Filter Changed		Client Info		Not Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		13	10	18
Iron	ppm	ASTM D5185m	>500	21	16	2
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	1
Lead	ppm	ASTM D5185m	>25	24	0	<1
Copper	ppm	ASTM D5185m	>100	8	9	0
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

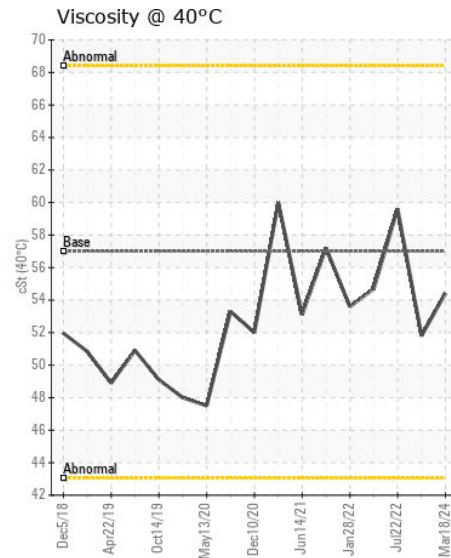
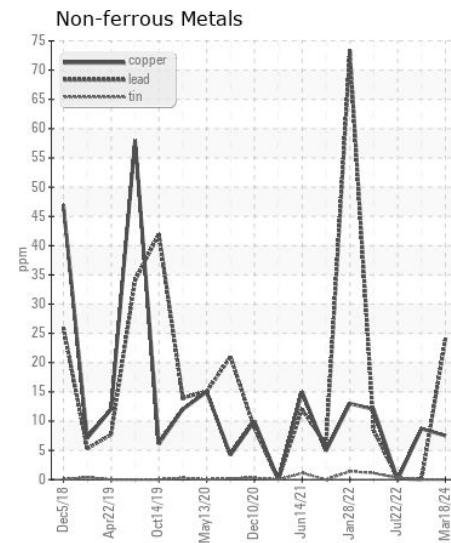
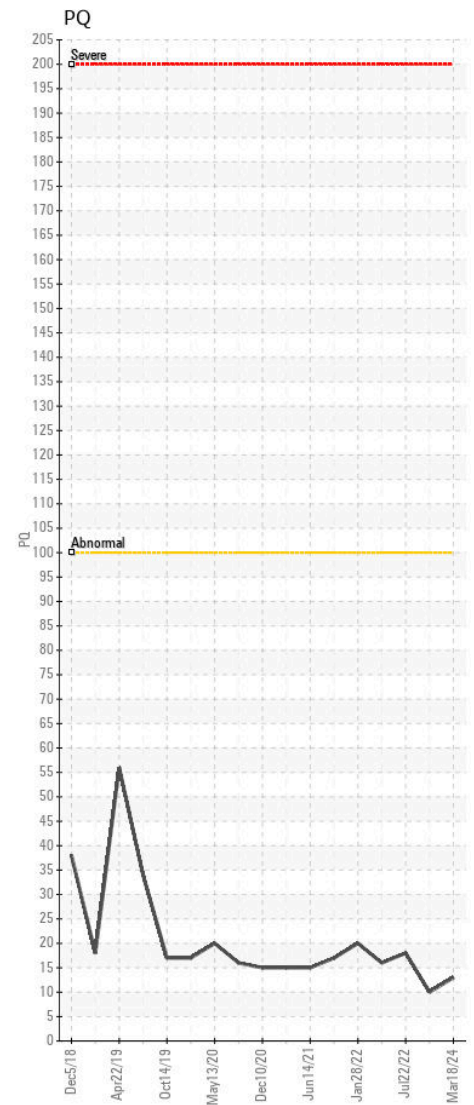
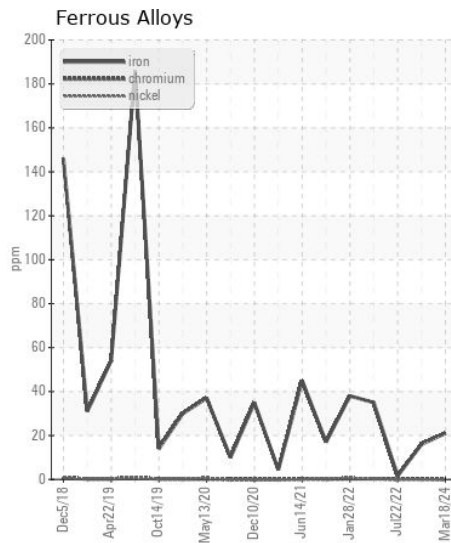
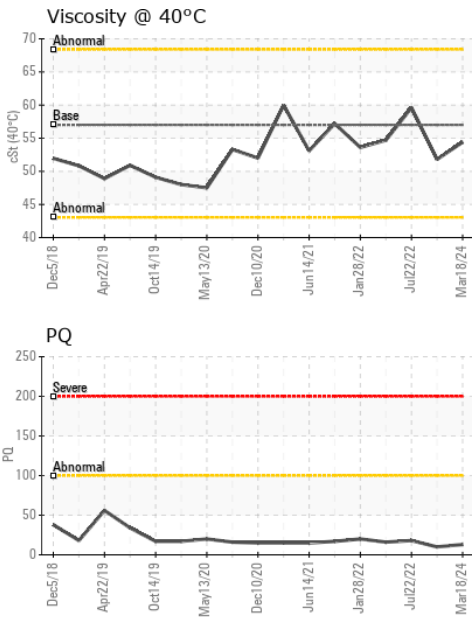
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>75	5	5	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	▲ 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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	<1	<1
Boron	ppm	ASTM D5185m	6	4	4	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	145	89	93	101
Calcium	ppm	ASTM D5185m	3570	3204	3535	3547
Phosphorus	ppm	ASTM D5185m	1290	1002	1030	981
Zinc	ppm	ASTM D5185m	1640	1145	1248	1263
Sulfur	ppm	ASTM D5185m		4399	4420	4235
Visc @ 40°C	cSt	ASTM D445	57.0	54.4	51.8	59.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206467 **Received** : 20 Mar 2024
Lab Number : 06123914 **Tested** : 21 Mar 2024
Unique Number : 10938065 **Diagnosed** : 22 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)