



Machine Id
JOHN DEERE 755K 1T0755KXHNF421851
 Component
Left Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0208245	JR0187617	JR0174704
Sample Date		Client Info		18 Mar 2024	18 Sep 2023	30 May 2023
Machine Age	hrs	Client Info		2474	1936	1451
Oil Age	hrs	Client Info		538	1000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	191	77	59
Iron	ppm	ASTM D5185m	>750	225	115	63
Chromium	ppm	ASTM D5185m	>9	2	<1	0
Nickel	ppm	ASTM D5185m	>10	3	<1	0
Titanium	ppm	ASTM D5185m		5	1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	36	14	5
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

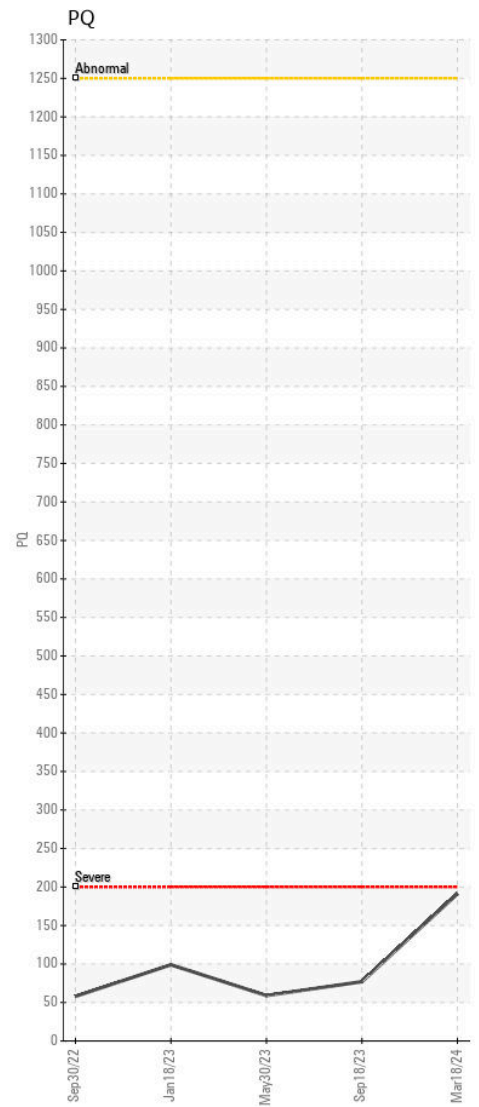
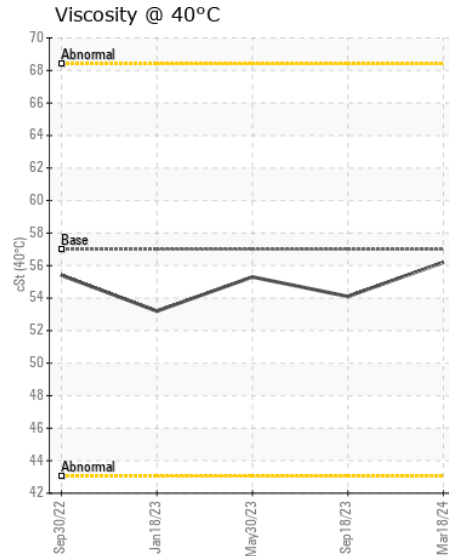
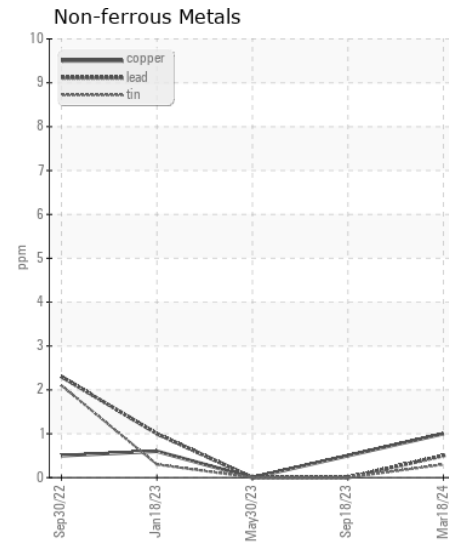
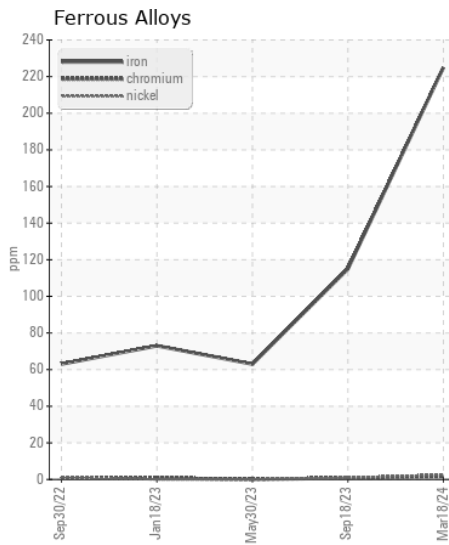
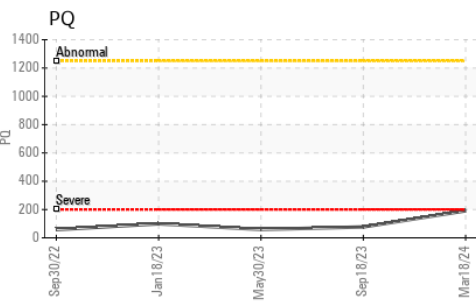
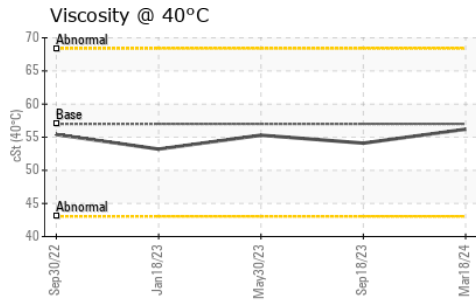
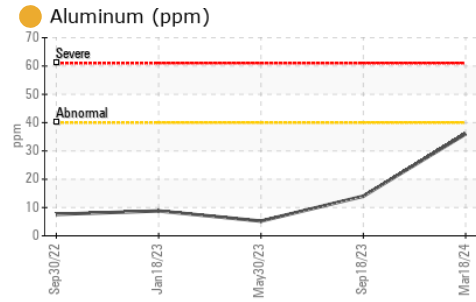
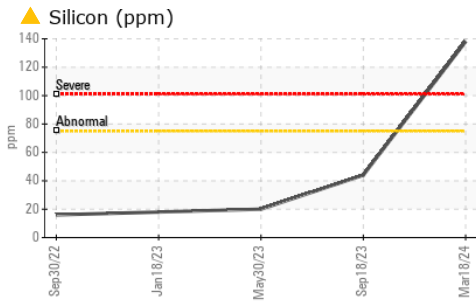
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	138	44	20
Potassium	ppm	ASTM D5185m	>20	7	5	1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	3	<1	0
Boron	ppm	ASTM D5185m	6	7	6	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	5	6	4
Manganese	ppm	ASTM D5185m		3	2	0
Magnesium	ppm	ASTM D5185m	145	118	126	128
Calcium	ppm	ASTM D5185m	3570	3298	3519	3414
Phosphorus	ppm	ASTM D5185m	1290	952	984	1000
Zinc	ppm	ASTM D5185m	1640	1208	1247	1270
Sulfur	ppm	ASTM D5185m		4164	4151	4316
Visc @ 40°C	cSt	ASTM D445	57.0	56.2	54.1	55.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208245 **Received** : 20 Mar 2024
Lab Number : 06123974 **Tested** : 21 Mar 2024
Unique Number : 10938125 **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)