



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 624L UNIT 9
 Component
Transmission (Manual)
 Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid.

FLUID CONDITION

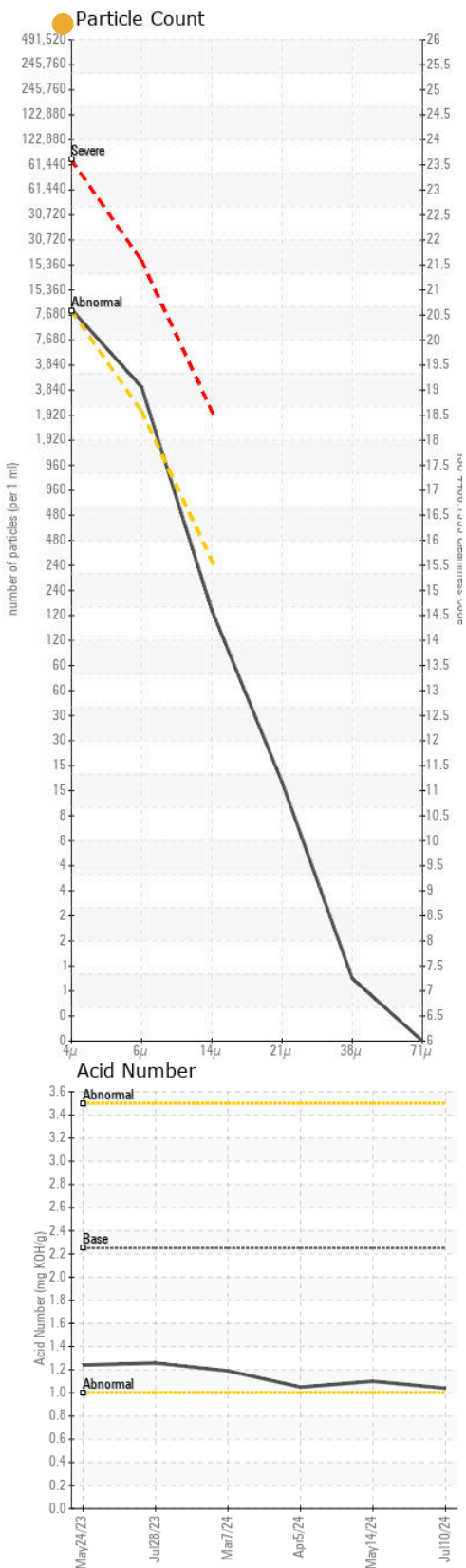
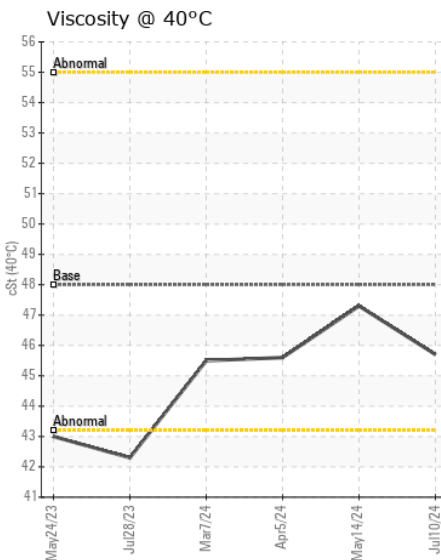
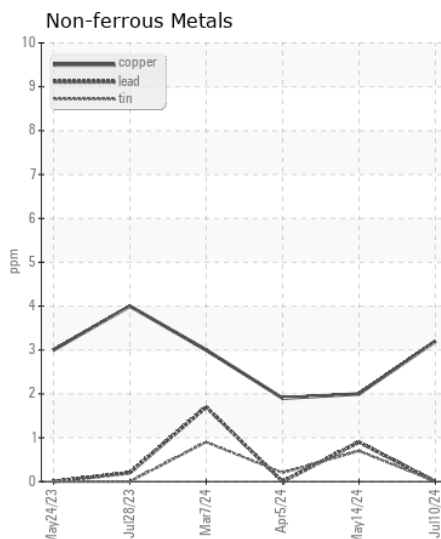
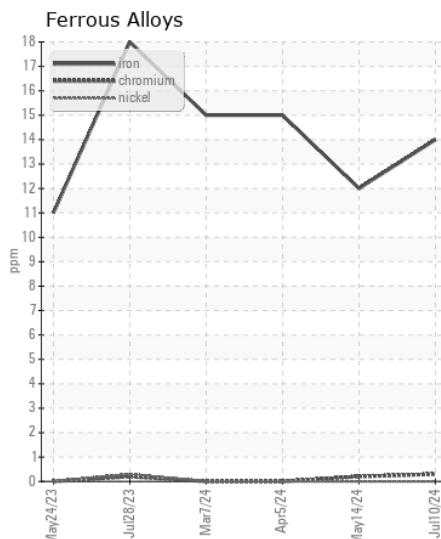
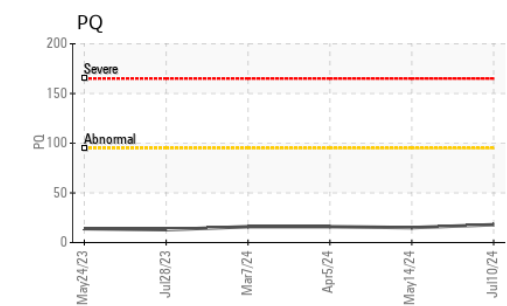
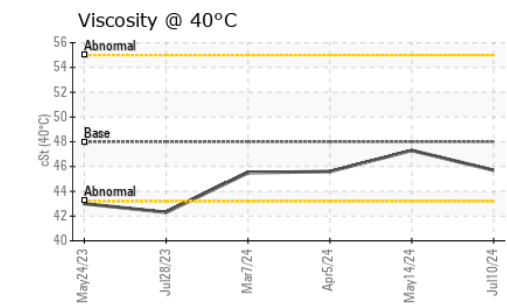
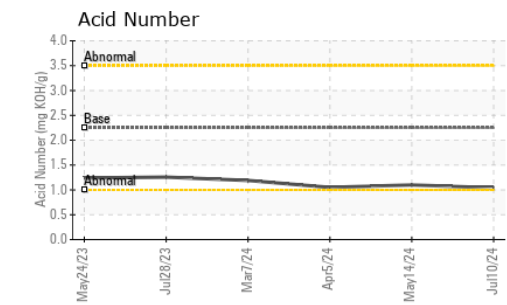
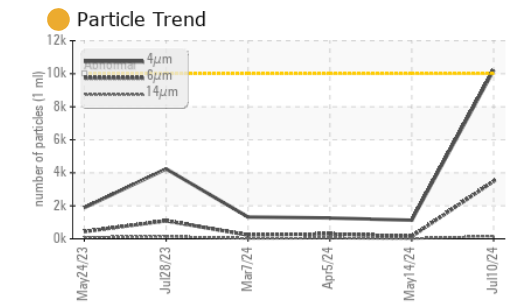
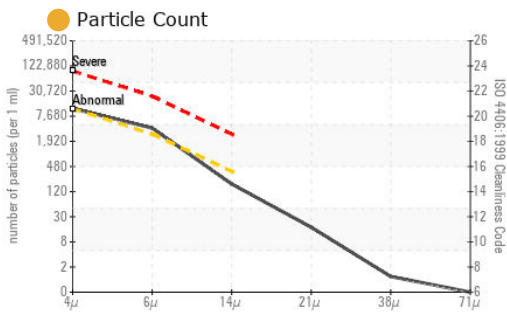
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0003875	PE0003800	PE0003822
Sample Date		Client Info		10 Jul 2024	14 May 2024	05 Apr 2024
Machine Age	hrs	Client Info		4479	4014	3756
Oil Age	hrs	Client Info		4014	3756	3473
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				ATTENTION	NORMAL	NORMAL

PQ		ASTM D8184	>95	18	15	16
Iron	ppm	ASTM D5185m	>200	14	12	15
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>7	<1	<1	0
Aluminum	ppm	ASTM D5185m	>25	3	1	0
Lead	ppm	ASTM D5185m	>45	0	<1	0
Copper	ppm	ASTM D5185m	>225	3	2	2
Tin	ppm	ASTM D5185m	>10	0	<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	>125	8	7	10
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	10211	1126	1264
Particles >6µm		ASTM D7647	>2500	3490	149	294
Particles >14µm		ASTM D7647	>320	161	11	41
Particles >21µm		ASTM D7647	>80	15	2	10
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/19/15	17/14/11	17/15/13
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		0	<1	0
Boron	ppm	ASTM D5185m	10	6	<1	4
Barium	ppm	ASTM D5185m	10	<1	0	0
Molybdenum	ppm	ASTM D5185m	10	3	2	2
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	98	88	97
Calcium	ppm	ASTM D5185m	3500	3513	3075	3242
Phosphorus	ppm	ASTM D5185m	1150	948	976	1020
Zinc	ppm	ASTM D5185m	1150	1241	1045	1166
Sulfur	ppm	ASTM D5185m	5000	3581	3733	3867
Acid Number (AN)	mg KOH/g	ASTM D8045	2.25	1.04	1.10	1.05
Visc @ 40°C	cSt	ASTM D445	48	45.7	47.3	45.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0003875 **Received** : 15 Jul 2024
Lab Number : 06235760 **Tested** : 16 Jul 2024
Unique Number : 11124594 **Diagnosed** : 16 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

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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