



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[A34732]
 Machine Id
JOHN DEERE 950K 1T0950KXJPF446417
 Component
Hydrostatic
 Fluid
JOHN DEERE HYDRAU (14 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: A34732)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006625	WE0004879	---
Sample Date		Client Info		27 Feb 2024	01 Sep 2023	---
Machine Age	hrs	Client Info		1470	502	---
Oil Age	hrs	Client Info		1470	502	---
Filter Age	hrs	Client Info		1470	502	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		None	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		18	15	---
Iron	ppm	ASTM D5185m	>31	21	7	---
Chromium	ppm	ASTM D5185m	>9	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	<1	---
Lead	ppm	ASTM D5185m	>11	1	<1	---
Copper	ppm	ASTM D5185m	>41	8	3	---
Tin	ppm	ASTM D5185m	>5	<1	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	2	<1	---
Potassium	ppm	ASTM D5185m	>20	3	1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	2687	1400	---
Particles >6µm		ASTM D7647	>5000	594	213	---
Particles >14µm		ASTM D7647	>640	51	21	---
Particles >21µm		ASTM D7647	>160	14	4	---
Particles >38µm		ASTM D7647	>40	0	0	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/16/13	18/15/12	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>21	<1	<1	---
Boron	ppm	ASTM D5185m		<1	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		2	0	---
Calcium	ppm	ASTM D5185m	87	120	92	---
Phosphorus	ppm	ASTM D5185m	727	957	639	---
Zinc	ppm	ASTM D5185m	900	1330	863	---
Sulfur	ppm	ASTM D5185m	1500	2667	1905	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.73	0.68	---
Visc @ 40°C	cSt	ASTM D445	65	56.8	58.6	---

