



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**Store 5 - Cross Lanes**  
Machine Id  
**JOHN DEERE 450P 1T0450PACPMX02258**  
Component  
**Hydrostatic**  
Fluid  
**JOHN DEERE HYDRAU (19 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050783	---	---
Sample Date		Client Info		26 Jun 2024	---	---
Machine Age	hrs	Client Info		474	---	---
Oil Age	hrs	Client Info		474	---	---
Filter Age	hrs	Client Info		474	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	---	---
Iron	ppm	ASTM D5185m	>31	3	---	---
Chromium	ppm	ASTM D5185m	>9	0	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	0	---	---
Lead	ppm	ASTM D5185m	>11	0	---	---
Copper	ppm	ASTM D5185m	>41	4	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

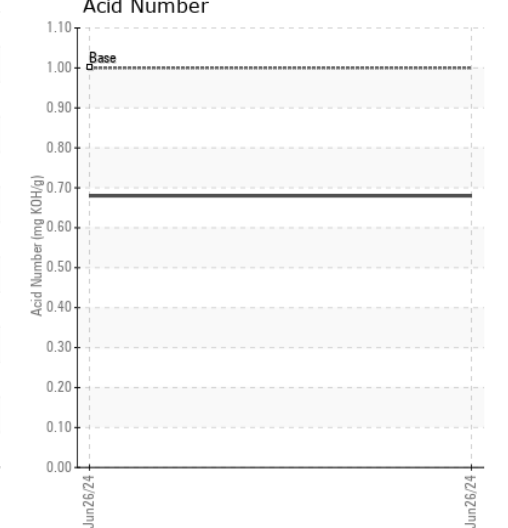
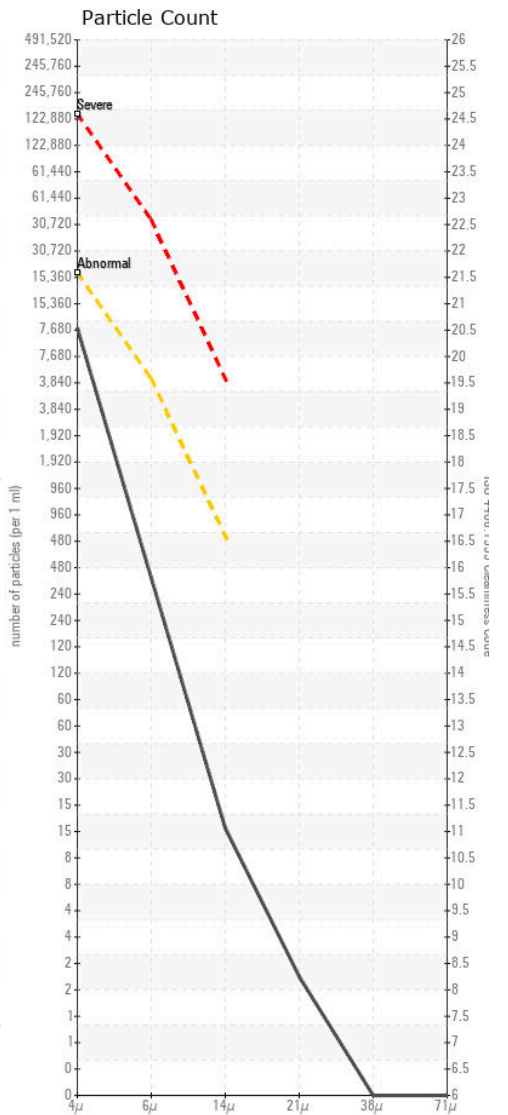
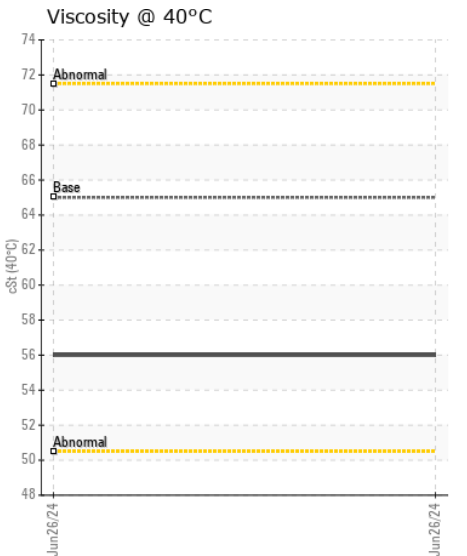
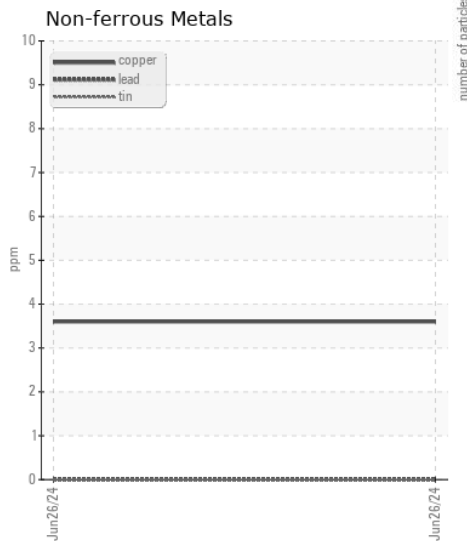
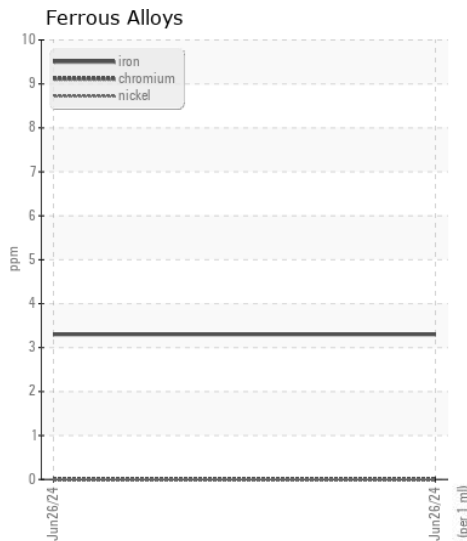
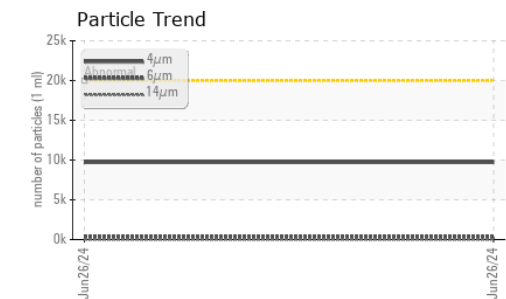
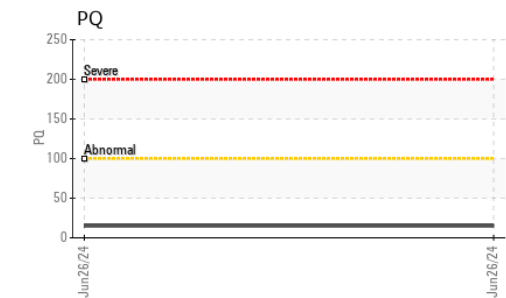
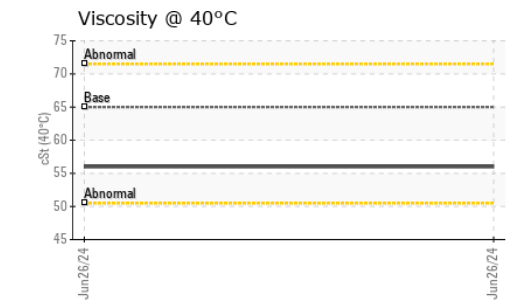
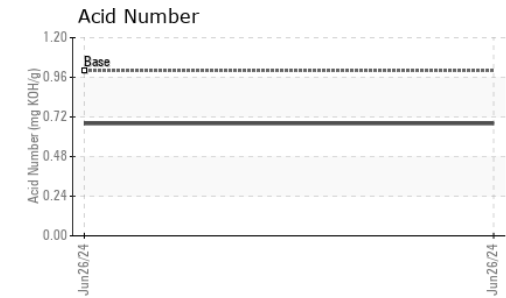
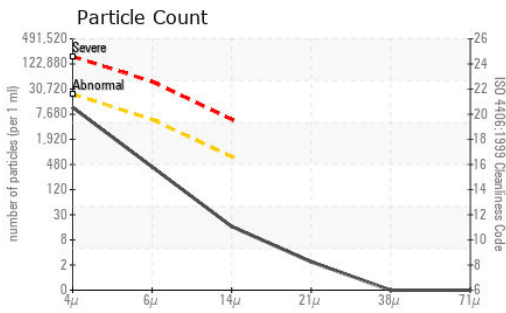
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	1	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.1	NEG	---	---
Particles >4µm		ASTM D7647	>20000	9719	---	---
Particles >6µm		ASTM D7647	>5000	369	---	---
Particles >14µm		ASTM D7647	>640	14	---	---
Particles >21µm		ASTM D7647	>160	2	---	---
Particles >38µm		ASTM D7647	>40	0	---	---
Particles >71µm		ASTM D7647	>10	0	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	20/16/11	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	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	2	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		<1	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		<1	---	---
Calcium	ppm	ASTM D5185m	87	103	---	---
Phosphorus	ppm	ASTM D5185m	727	617	---	---
Zinc	ppm	ASTM D5185m	900	747	---	---
Sulfur	ppm	ASTM D5185m	1500	1764	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.68	---	---
Visc @ 40°C	cSt	ASTM D445	65	56.0	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0050783 **Received** : 12 Jul 2024  
**Lab Number** : 06234782 **Tested** : 15 Jul 2024  
**Unique Number** : 11123616 **Diagnosed** : 15 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ, PrtCount )

**LESLIE EQUIPMENT COMPANY**  
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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)