



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 544P 1DW544PAHNLZ14996
Component
Transmission
Fluid
JOHN DEERE HY-GARD HYD/TRANS (6 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051377	LEC0042289	---
Sample Date		Client Info		21 May 2024	15 Jun 2023	---
Machine Age	hrs	Client Info		843	335	---
Oil Age	hrs	Client Info		843	335	---
Filter Age	hrs	Client Info		843	335	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	12	12	---
Iron	ppm	ASTM D5185m	>61	21	15	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m		<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		2	0	---
Aluminum	ppm	ASTM D5185m	>20	1	<1	---
Lead	ppm	ASTM D5185m	>9	<1	<1	---
Copper	ppm	ASTM D5185m	>100	7	5	---
Tin	ppm	ASTM D5185m	>3	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

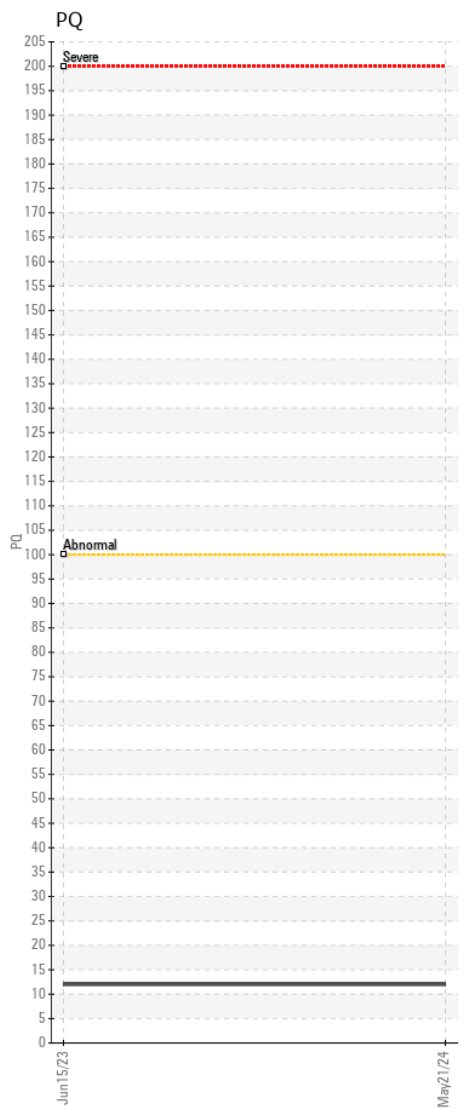
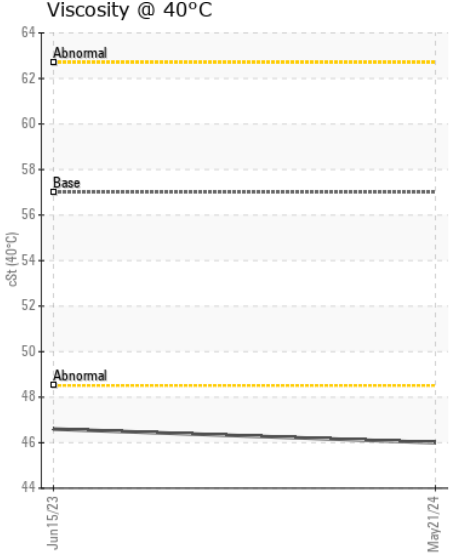
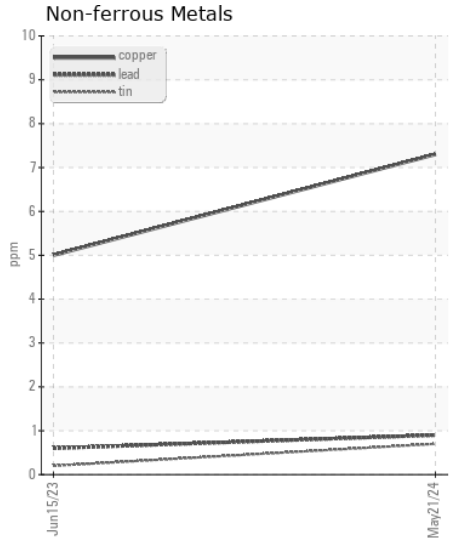
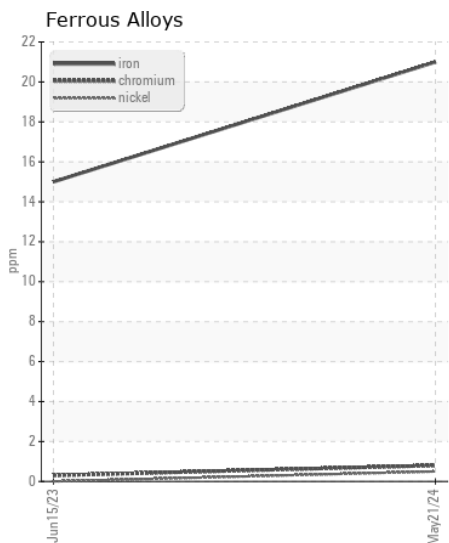
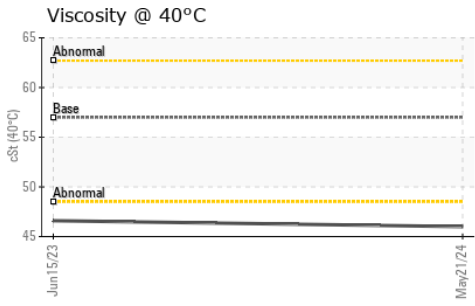
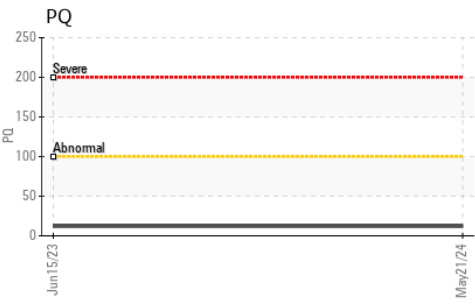
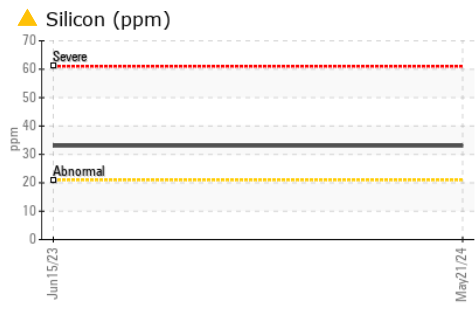
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>21	▲ 33	▲ 33	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
Water		WC Method	>0.075	NEG	NEG	---
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	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	22	24	---
Boron	ppm	ASTM D5185m	6	2	<1	---
Barium	ppm	ASTM D5185m	0	2	0	---
Molybdenum	ppm	ASTM D5185m	0	3	2	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m	145	90	91	---
Calcium	ppm	ASTM D5185m	3570	3385	3408	---
Phosphorus	ppm	ASTM D5185m	1290	1018	1019	---
Zinc	ppm	ASTM D5185m	1640	1300	1276	---
Sulfur	ppm	ASTM D5185m		3822	4219	---
Visc @ 40°C	cSt	ASTM D445	57.0	46.0	46.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051377 **Received** : 24 May 2024
Lab Number : 06190735 **Tested** : 29 May 2024
Unique Number : 11047487 **Diagnosed** : 29 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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) F: (740)373-5570