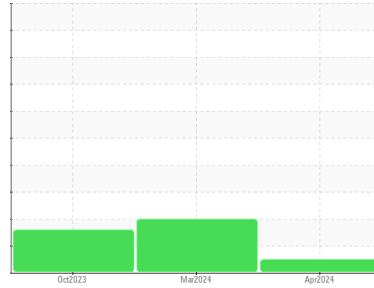


OIL ANALYSIS REPORT



Machine Id
JOHN DEERE 644P 1DW644PAANLZ15485
 Component
Transmission (Auto)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (6 GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0118287	PCA0105139	PCA0096417
Sample Date	Client Info		23 Apr 2024	12 Mar 2024	04 Oct 2023
Machine Age	hrs	Client Info	4061	3855	2000
Oil Age	hrs	Client Info	206	1855	2000
Oil Changed		Client Info	N/A	Changed	Changed
Sample Status			NORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	25	24	21
Chromium	ppm	ASTM D5185m >5	0	<1	0
Nickel	ppm	ASTM D5185m >5	0	<1	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m >5	<1	<1	<1
Aluminum	ppm	ASTM D5185m >50	1	2	2
Lead	ppm	ASTM D5185m >50	<1	4	<1
Copper	ppm	ASTM D5185m >225	6	7	4
Tin	ppm	ASTM D5185m >10	0	2	0
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	3	3	<1
Barium	ppm	ASTM D5185m 0	<1	<1	0
Molybdenum	ppm	ASTM D5185m 0	1	2	0
Manganese	ppm	ASTM D5185m	<1	1	<1
Magnesium	ppm	ASTM D5185m 145	82	87	88
Calcium	ppm	ASTM D5185m 3570	2968	3136	3211
Phosphorus	ppm	ASTM D5185m 1290	974	1102	1051
Zinc	ppm	ASTM D5185m 1640	1156	1254	1281
Sulfur	ppm	ASTM D5185m	3844	4037	3665

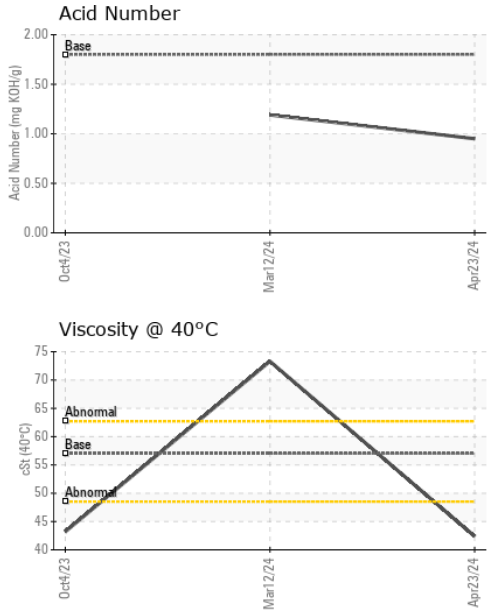
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	19	▲ 23	▲ 23
Sodium	ppm	ASTM D5185m	22	25	21
Potassium	ppm	ASTM D5185m >20	<1	4	<1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.8	0.95	1.19	---

OIL ANALYSIS REPORT

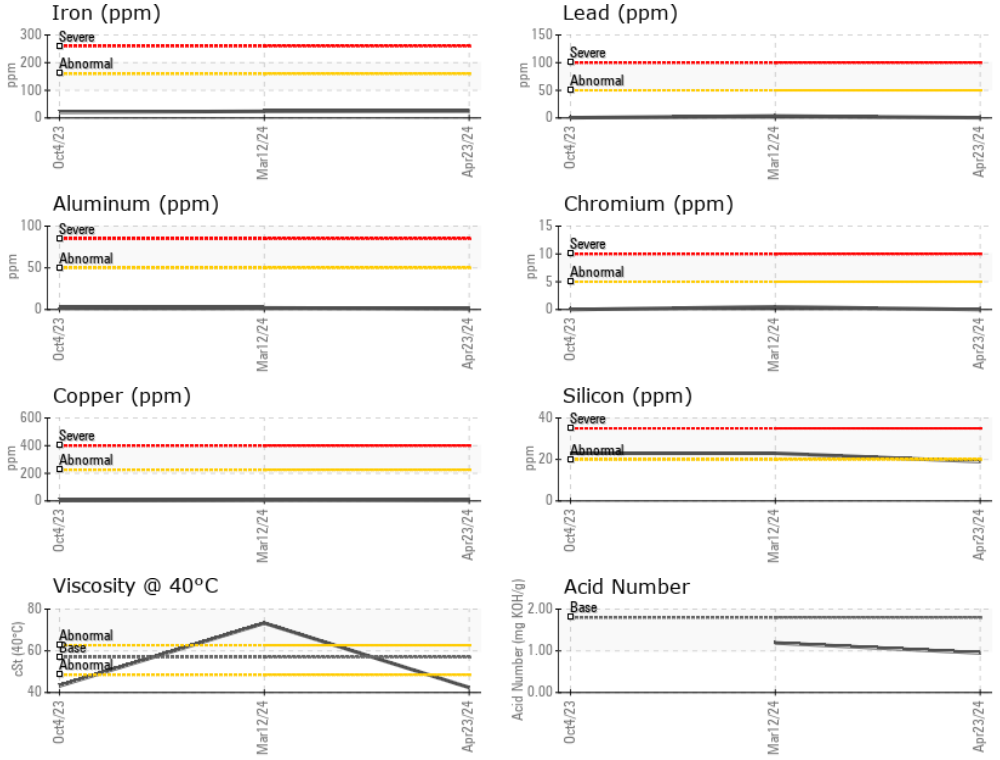


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	42.4	73.3	43.2

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118287 **Received** : 13 May 2024
Lab Number : 06177862 **Tested** : 22 May 2024
Unique Number : 11029188 **Diagnosed** : 22 May 2024 - Jonathan Hester
Test Package : MOB 2

CENTRAL VALLEY AG
 5707 LANGWORTH
 OAKDALE, CA
 US 95361
 Contact: LAB TECH
 m-labtech@outlook.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)