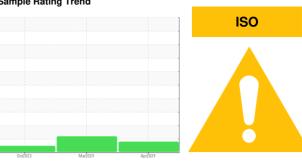


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id JOHN DEERE 644P 1DW644PAANLZ15485

Hydraulic System

JOHN DEERE HY-GARD HYD/TRANS (27 GAL)

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

D HYD/IKANS (2/	GAL)	00	2023	Mar2024 Apr20	29	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0118285	PCA0105140	PCA0096411
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	3855	2000
Oil Changed		Client Info		N/A	Changed	Oil Added
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	2	0
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	1	1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	107	69	19
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	2	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	145	23	15	6
Calcium	ppm	ASTM D5185m	3570	2871	2452	721
Phosphorus	ppm	ASTM D5185m	1290	1144	897	734
Zinc	ppm	ASTM D5185m	1640	1269	1124	978
Sulfur	ppm	ASTM D5185m		3224	2907	1998
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7	6	3
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	4	0	5
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<u> </u>	<u>▲</u> 14957	
Particles >6μm		ASTM D7647	>1300	673	120	
Particles >14μm		ASTM D7647	>160	73	13	
Particles >21μm		ASTM D7647		21	5	
Particles >38µm		ASTM D7647	>10	1	1	
Particles >71μm		ASTM D7647		0	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>A</u> 21/17/13	<u>21/14/11</u>	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

Acid Number (AN)

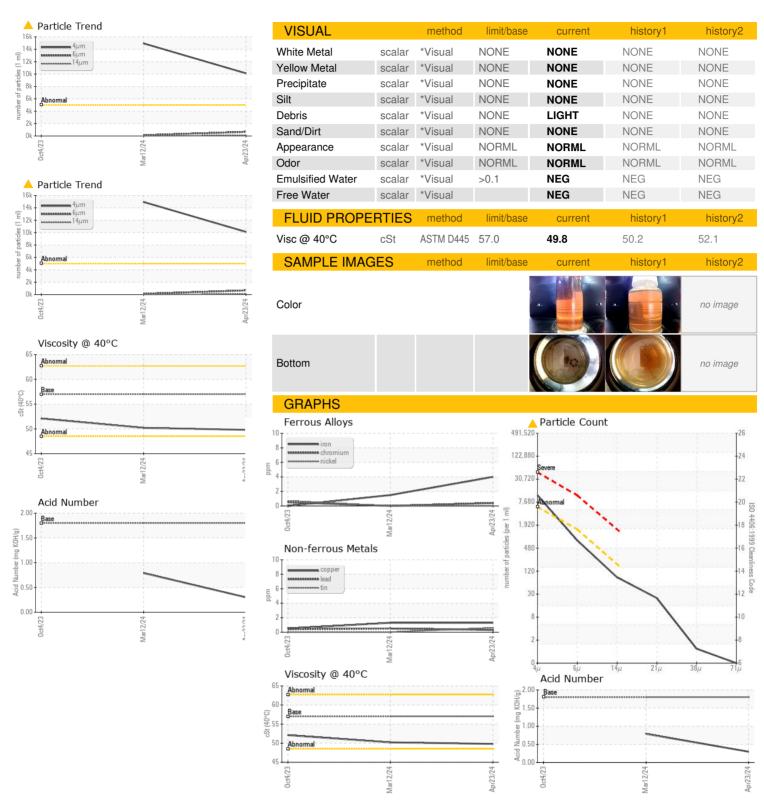
mg KOH/g ASTM D8045 1.8

0.30

Submitted By: LAB TECH



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0118285 Lab Number : 06177678 Unique Number : 11023731 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 May 2024 **Tested** : 14 May 2024 Diagnosed

: 15 May 2024 - Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

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

T: F:

Submitted By: LAB TECH