

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
JOHN DEERE 524P 1DW524PALML711390

Component
Rear Differential

Fluid
TDH FLUID SAE 75W80 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0207027	---	---
Sample Date	Client Info			18 Mar 2024	---	---
Machine Age	hrs	Client Info		2401	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			Changed	---	---
Sample Status				ABNORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	NEG	---	---

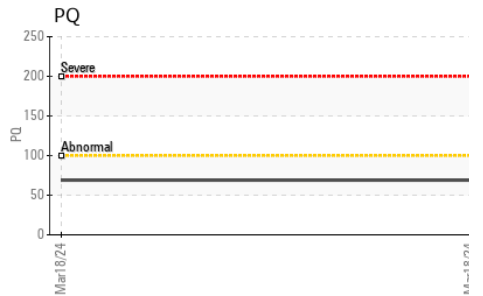
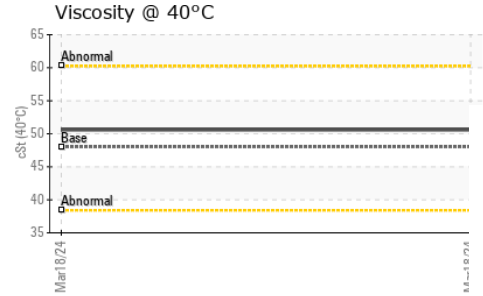
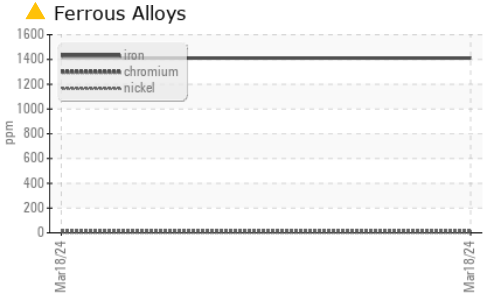
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		69	---	---
Iron	ppm	ASTM D5185m	>500	▲ 1411	---	---
Chromium	ppm	ASTM D5185m	>10	7	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 17	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	6	---	---
Lead	ppm	ASTM D5185m	>25	13	---	---
Copper	ppm	ASTM D5185m	>100	104	---	---
Tin	ppm	ASTM D5185m	>10	5	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Cadmium	ppm	ASTM D5185m		<1	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	5	---	---
Barium	ppm	ASTM D5185m	10	4	---	---
Molybdenum	ppm	ASTM D5185m	10	16	---	---
Manganese	ppm	ASTM D5185m		27	---	---
Magnesium	ppm	ASTM D5185m	100	131	---	---
Calcium	ppm	ASTM D5185m	3500	4564	---	---
Phosphorus	ppm	ASTM D5185m	1150	1345	---	---
Zinc	ppm	ASTM D5185m	1150	1461	---	---
Sulfur	ppm	ASTM D5185m	5000	4903	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	60	---	---
Sodium	ppm	ASTM D5185m		17	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
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	>.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

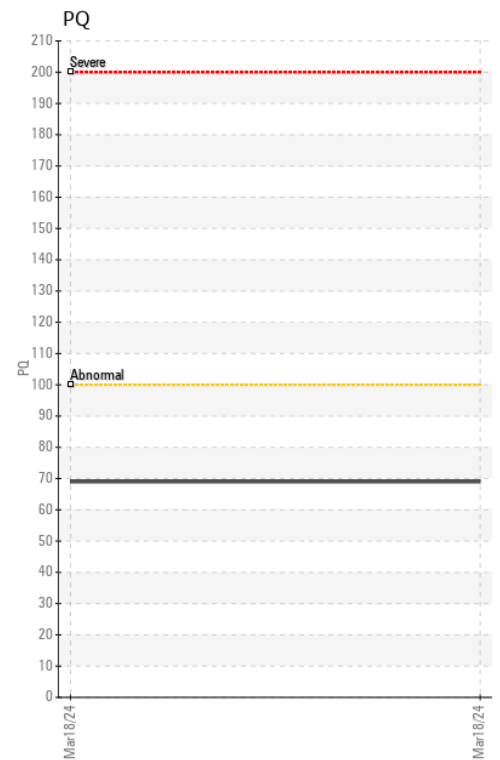
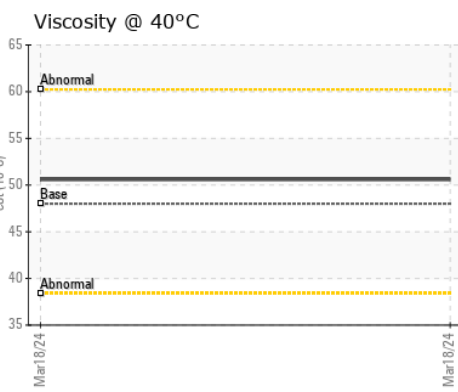
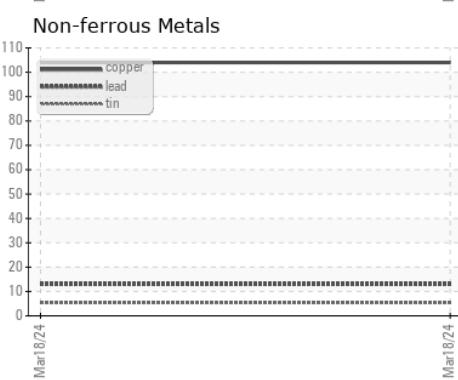
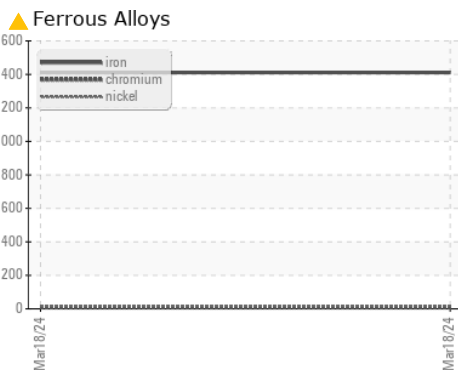
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 48	50.6	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207027 **Received** : 20 Mar 2024
Lab Number : **06123927** **Tested** : 21 Mar 2024
Unique Number : 10938078 **Diagnosed** : 22 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

H & E EQUIPMENT SERVICES
 851 SUNNYVALE DR
 WILMINGTON, NC
 US 28412
 Contact: E BENTON
 EBENTON@HE-EQUIPMENT.COM
 T:
 F:

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)