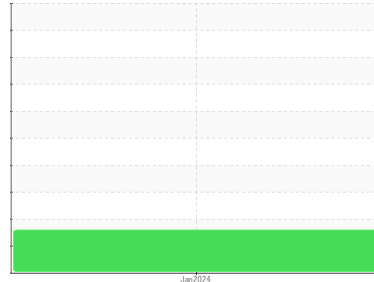


OIL ANALYSIS REPORT

Sample Rating Trend



Area
[W49235]
Machine Id
JOHN DEERE 324L 1LU324LXEZB052566
Component
Front Left Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- 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

Metal levels are typical for a new component breaking in.

Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	JR0179483	---	---
Sample Date	Client Info	16 Jan 2024	---	---
Machine Age	hrs	Client Info	1097	---
Oil Age	hrs	Client Info	1097	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	>0.075	NEG	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	1222	---
Iron	ppm	ASTM D5185m	>750	740
Chromium	ppm	ASTM D5185m	>9	10
Nickel	ppm	ASTM D5185m	>10	<1
Titanium	ppm	ASTM D5185m		0
Silver	ppm	ASTM D5185m		0
Aluminum	ppm	ASTM D5185m	>40	1
Lead	ppm	ASTM D5185m	>15	<1
Copper	ppm	ASTM D5185m	>40	4
Tin	ppm	ASTM D5185m	>10	<1
Vanadium	ppm	ASTM D5185m		0
Cadmium	ppm	ASTM D5185m		0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	113
Barium	ppm	ASTM D5185m	0	8
Molybdenum	ppm	ASTM D5185m	0	<1
Manganese	ppm	ASTM D5185m		9
Magnesium	ppm	ASTM D5185m	145	3
Calcium	ppm	ASTM D5185m	3570	861
Phosphorus	ppm	ASTM D5185m	1290	726
Zinc	ppm	ASTM D5185m	1640	1591
Sulfur	ppm	ASTM D5185m		6254

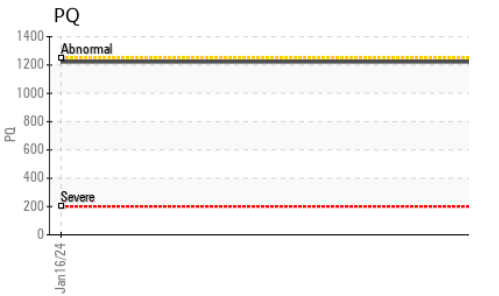
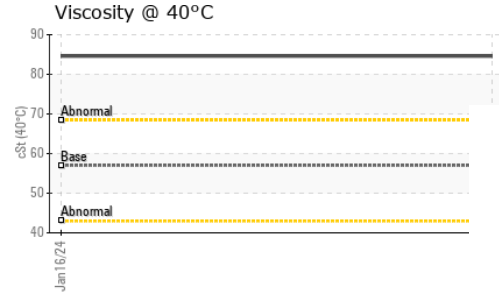
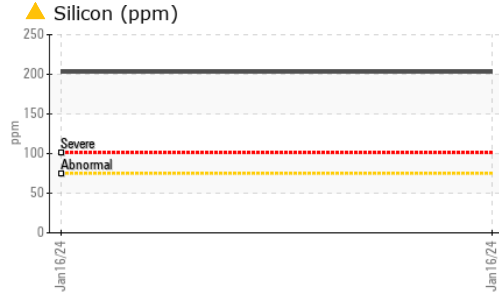
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	▲ 203
Sodium	ppm	ASTM D5185m	>51	5
Potassium	ppm	ASTM D5185m	>20	<1

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	>0.075	NEG
Free Water	scalar	*Visual		NEG

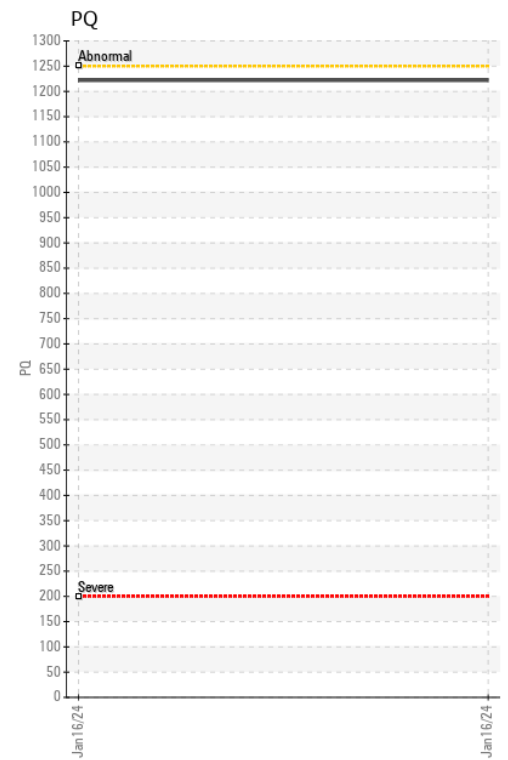
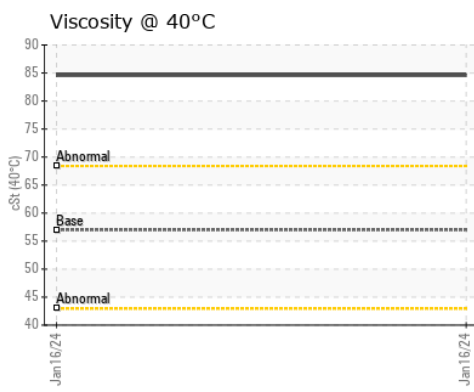
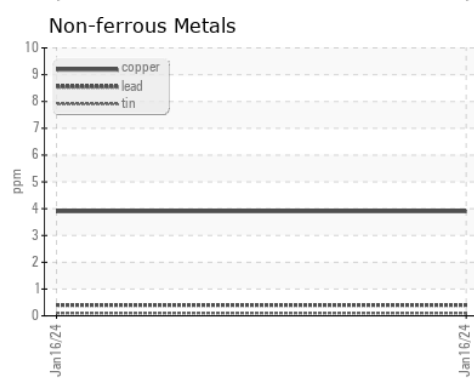
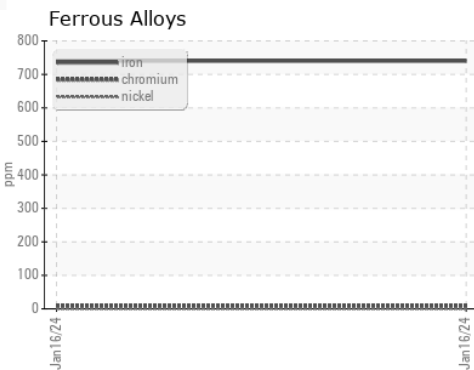
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	84.6	---	---

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. : JR0179483 **Recieved** : 18 Jan 2024
Lab Number : **06064542** **Diagnosed** : 21 Jan 2024
Unique Number : 10835924 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292

*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)*