



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[W49170]
 Machine Id
JOHN DEERE 318G 1T0318GKCNJ425763
 Component
Right Chain Case
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)



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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	JR0200146	---	---
Sample Date	Client Info	15 Jan 2024	---	---
Machine Age	hrs Client Info	943	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	162	---	---
Iron	ppm ASTM D5185m >632	134	---	---
Chromium	ppm ASTM D5185m >3	<1	---	---
Nickel	ppm ASTM D5185m >3	0	---	---
Titanium	ppm ASTM D5185m	<1	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >19	2	---	---
Lead	ppm ASTM D5185m >6	<1	---	---
Copper	ppm ASTM D5185m >46	3	---	---
Tin	ppm ASTM D5185m >3	1	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 6	5	---	---
Barium	ppm ASTM D5185m 0	21	---	---
Molybdenum	ppm ASTM D5185m 0	<1	---	---
Manganese	ppm ASTM D5185m	2	---	---
Magnesium	ppm ASTM D5185m 145	77	---	---
Calcium	ppm ASTM D5185m 3570	3266	---	---
Phosphorus	ppm ASTM D5185m 1290	932	---	---
Zinc	ppm ASTM D5185m 1640	1277	---	---
Sulfur	ppm ASTM D5185m	3502	---	---

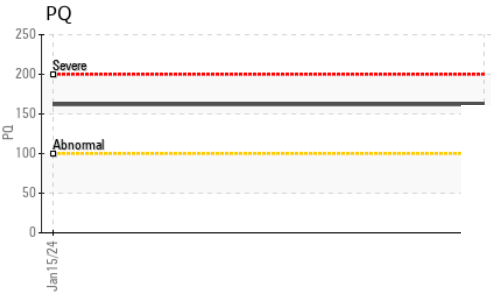
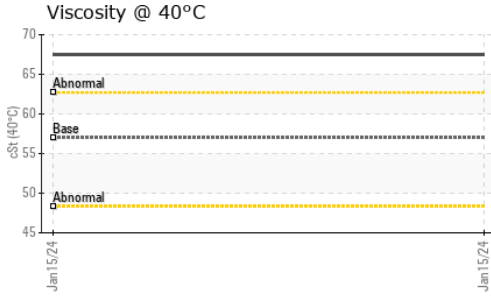
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >82	12	---	---
Sodium	ppm ASTM D5185m	<1	---	---
Potassium	ppm ASTM D5185m >20	3	---	---
Water	% ASTM D6304 >0.2	NEG	---	---

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 >0.2	0.2%	---	---
Free Water	scalar *Visual	NEG	---	---

OIL ANALYSIS REPORT



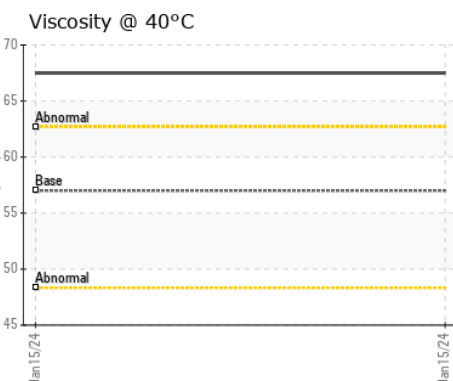
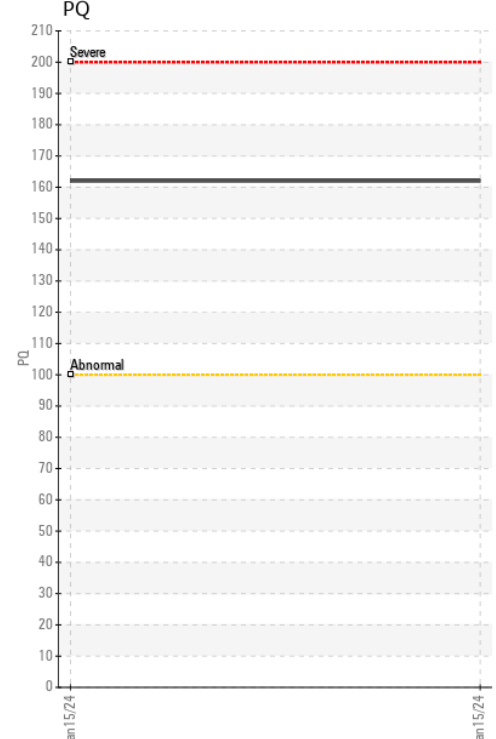
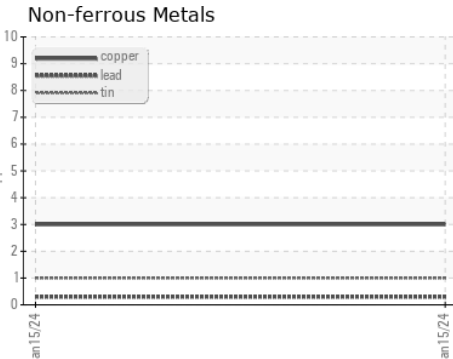
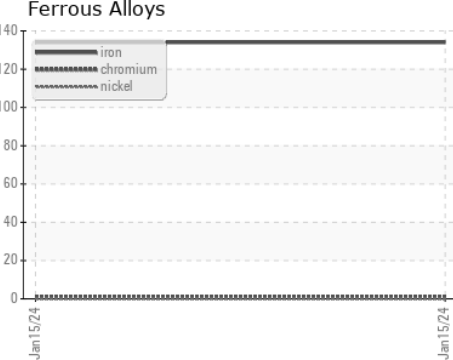
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	57.0	67.5	---	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200146 **Recieved** : 17 Jan 2024
Lab Number : **06063003** **Diagnosed** : 18 Jan 2024
Unique Number : 10834385 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

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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)