



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
JOHN DEERE 843L 1DW843LBKKF700324
 Component
Gearbox
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

DIAGNOSIS

▲ Recommendation

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

▲ Wear

Gear wear is indicated. All other component wear rates are normal.

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		WE0007807	---	---
Sample Date	Client Info		29 May 2024	---	---
Machine Age	hrs	Client Info	7361	---	---
Oil Age	hrs	Client Info	500	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		34	---	---
Iron	ppm	ASTM D5185m >200	▲ 252	---	---
Chromium	ppm	ASTM D5185m >10	2	---	---
Nickel	ppm	ASTM D5185m >10	<1	---	---
Titanium	ppm	ASTM D5185m	19	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	10	---	---
Lead	ppm	ASTM D5185m >50	0	---	---
Copper	ppm	ASTM D5185m >200	5	---	---
Tin	ppm	ASTM D5185m >10	<1	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	76	---	---
Barium	ppm	ASTM D5185m 0	3	---	---
Molybdenum	ppm	ASTM D5185m 0	22	---	---
Manganese	ppm	ASTM D5185m	5	---	---
Magnesium	ppm	ASTM D5185m 145	189	---	---
Calcium	ppm	ASTM D5185m 3570	1811	---	---
Phosphorus	ppm	ASTM D5185m 1290	754	---	---
Zinc	ppm	ASTM D5185m 1640	861	---	---
Sulfur	ppm	ASTM D5185m	3186	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	40	---	---
Sodium	ppm	ASTM D5185m	9	---	---
Potassium	ppm	ASTM D5185m >20	8	---	---

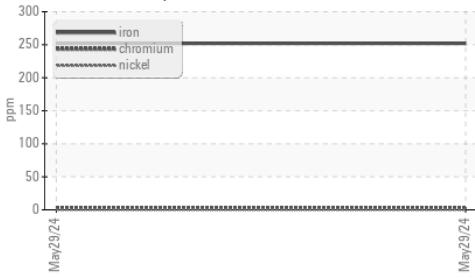
VISUAL

	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	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

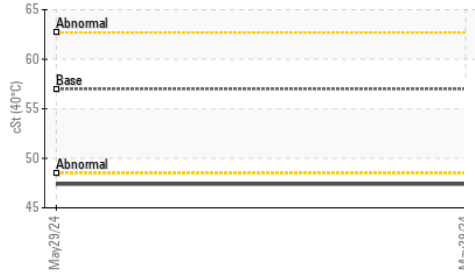


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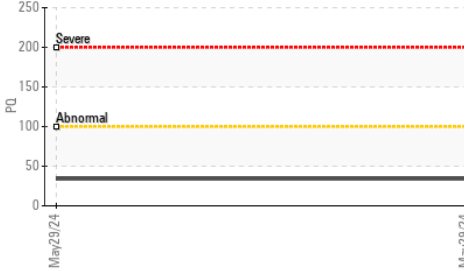
▲ Ferrous Alloys



Viscosity @ 40°C



PQ



FLUID PROPERTIES

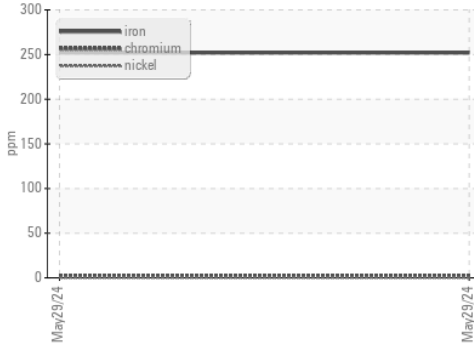
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	57.0	47.4	---	---

SAMPLE IMAGES

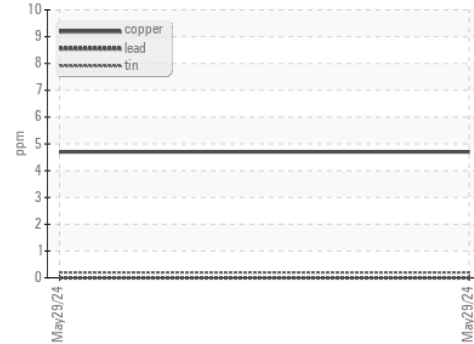
method	limit/base	current	history1	history2	
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

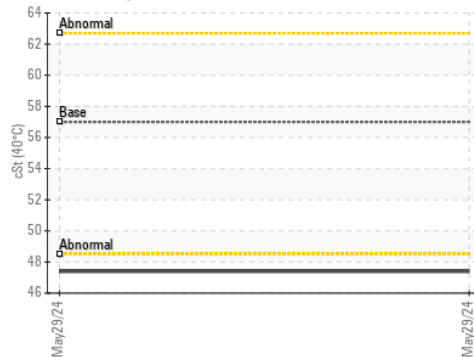
▲ Ferrous Alloys



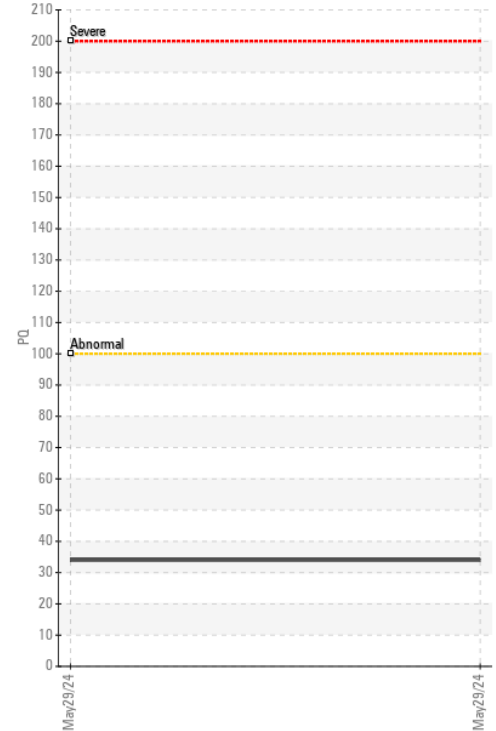
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007807
Lab Number : **06201728**
Unique Number : 11063851
Test Package : CONST (Additional Tests: PQ)

Received : 06 Jun 2024
Tested : 07 Jun 2024
Diagnosed : 09 Jun 2024 - Don Baldrige

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT
 P.O. BOX 412
 NORTHPORT, AL
 US 35476

Contact: PAMELA CLARK
 pamela@warriortractor.com
 T: (205)339-0300

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)