CONST

WARRIOR

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[127448]
Machine Id
JOHN DEERE 644P 1DW644PAPNLZ13910
Component
Brake
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

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

WEAR

Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in.

CONTAMINATION

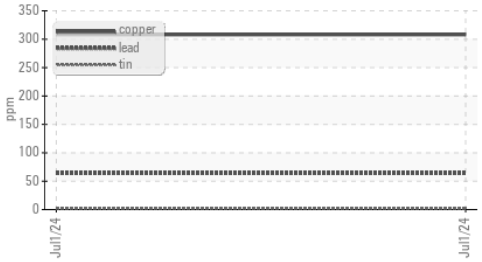
There is no indication of any contamination in the oil.

FLUID CONDITION

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

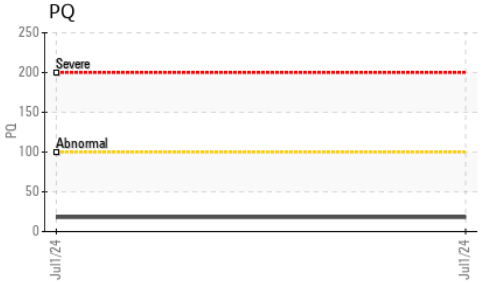
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007938	---	---
Sample Date		Client Info		01 Jul 2024	---	---
Machine Age	hrs	Client Info		641	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184		18	---	---
Iron	ppm	ASTM D5185m	>350	78	---	---
Chromium	ppm	ASTM D5185m	>5	0	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>8	<1	---	---
Lead	ppm	ASTM D5185m	>10	▲ 64	---	---
Copper	ppm	ASTM D5185m	>150	▲ 308	---	---
Tin	ppm	ASTM D5185m	>5	2	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>400	6	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water		WC Method	>0.2	NEG	---	---
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	---	---
Sodium	ppm	ASTM D5185m		7	---	---
Boron	ppm	ASTM D5185m	6	6	---	---
Barium	ppm	ASTM D5185m	0	5	---	---
Molybdenum	ppm	ASTM D5185m	0	4	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m	145	118	---	---
Calcium	ppm	ASTM D5185m	3570	3479	---	---
Phosphorus	ppm	ASTM D5185m	1290	1118	---	---
Zinc	ppm	ASTM D5185m	1640	1258	---	---
Sulfur	ppm	ASTM D5185m		4300	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.5	---	---

Non-ferrous Metals

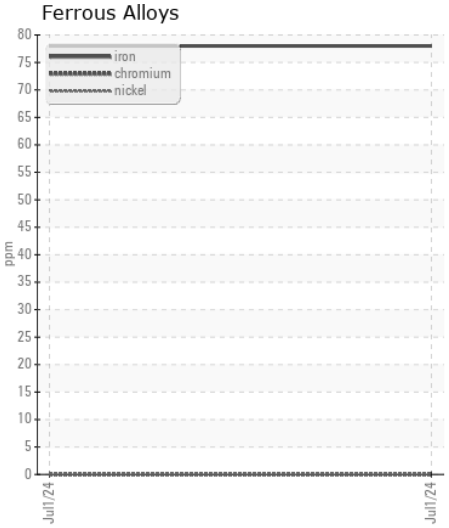


Viscosity @ 40°C

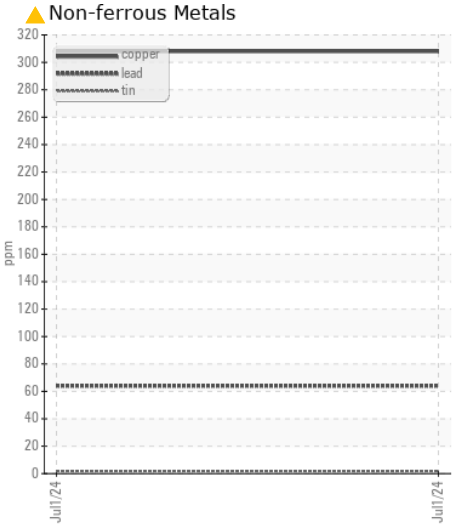
PQ



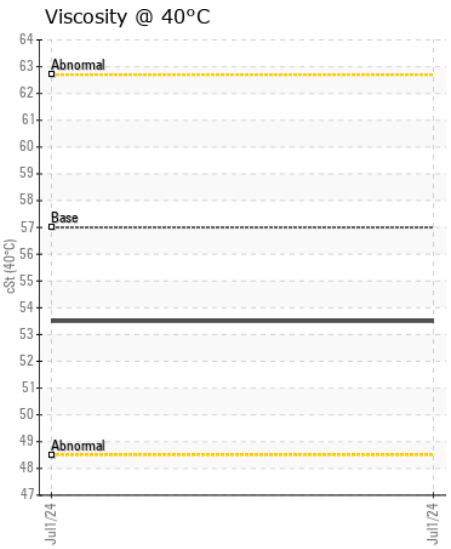
Ferrous Alloys



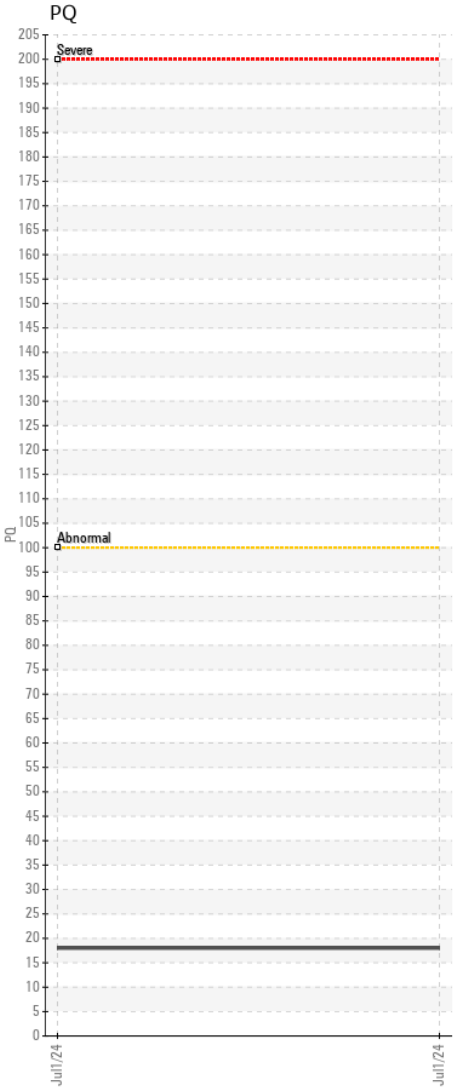
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007938
Lab Number : 06227786
Unique Number : 11111279
Test Package : CONST (Additional Tests: PQ)

Received : 03 Jul 2024
Tested : 05 Jul 2024
Diagnosed : 06 Jul 2024 - Don Baldridge

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)

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