



| | |
|-----------------|-----------------|
| WEAR | ABNORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
JOHN DEERE 624P 1DW624PAAMLZ12591
 Component
Rear Differential
 Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0204992 | JR0121985 | --- |
| Sample Date | | Client Info | | 30 Jun 2024 | 13 Feb 2023 | --- |
| Machine Age | hrs | Client Info | | 4471 | 2226 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | N/A | N/A | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | ABNORMAL | ABNORMAL | --- |

WEAR

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|-----|
| PQ | | ASTM D8184 | | 16 | 23 | --- |
| Iron | ppm | ASTM D5185m | >500 | 68 | 129 | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | 1 | --- |
| Lead | ppm | ASTM D5185m | >25 | ▲ 123 | ▲ 121 | --- |
| Copper | ppm | ASTM D5185m | >100 | ▲ 273 | ▲ 207 | --- |
| Tin | ppm | ASTM D5185m | >10 | 8 | 2 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

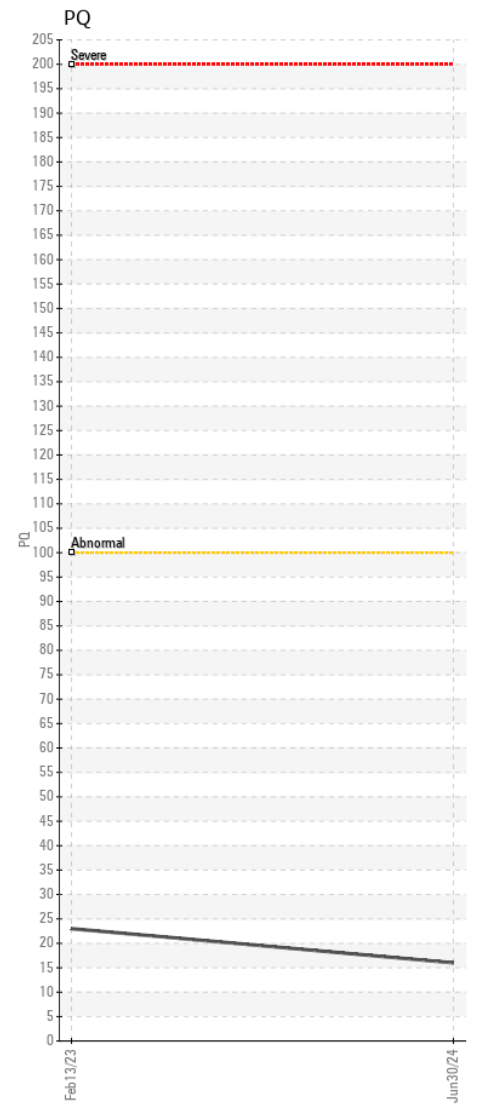
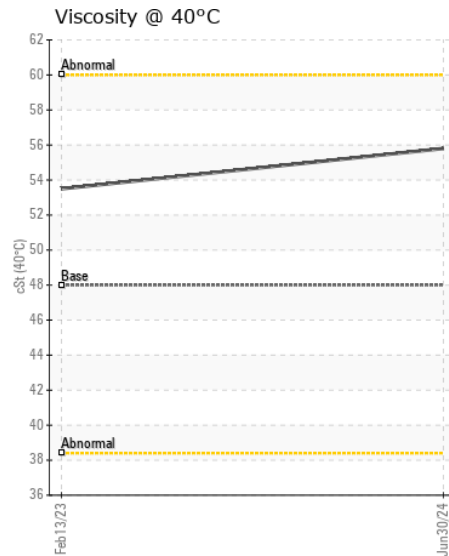
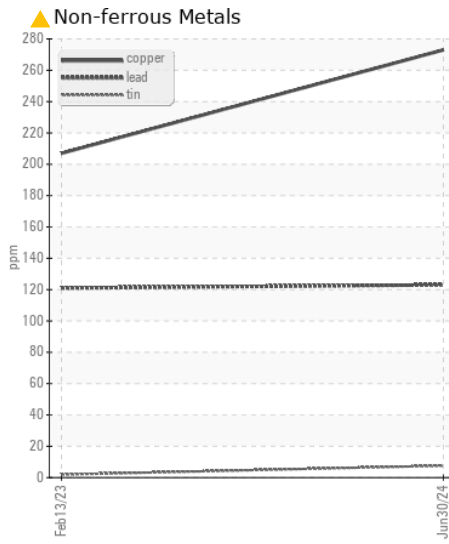
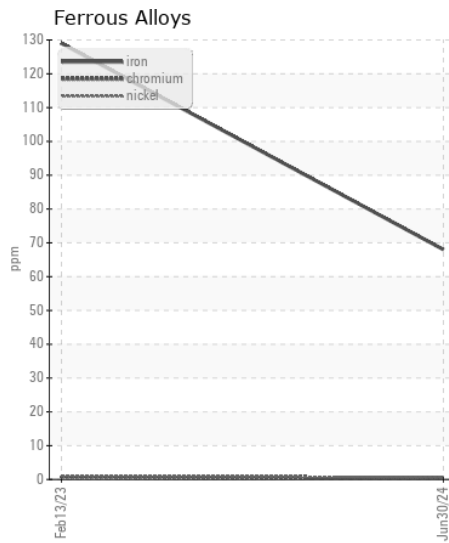
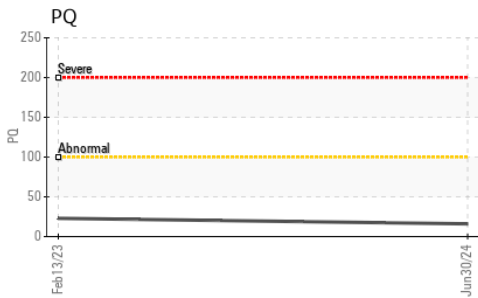
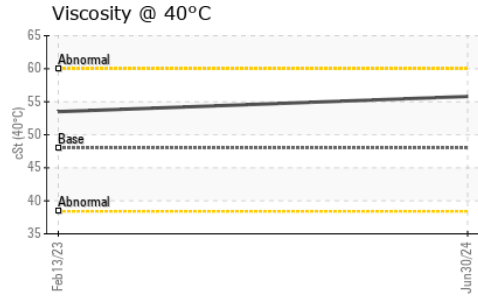
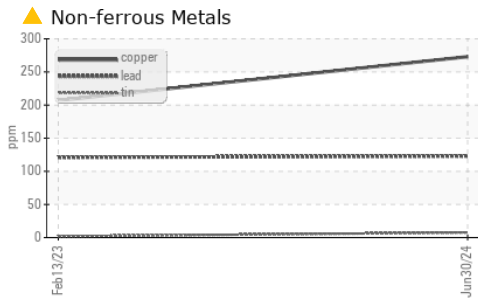
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 12 | 6 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | <1 | --- |
| Water | | WC Method | >.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 3 | 5 | --- |
| Boron | ppm | ASTM D5185m | 10 | 40 | 2 | --- |
| Barium | ppm | ASTM D5185m | 10 | 1 | 4 | --- |
| Molybdenum | ppm | ASTM D5185m | 10 | 35 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | 2 | 3 | --- |
| Magnesium | ppm | ASTM D5185m | 100 | 181 | 91 | --- |
| Calcium | ppm | ASTM D5185m | 3500 | 2987 | 3330 | --- |
| Phosphorus | ppm | ASTM D5185m | 1150 | 1022 | 981 | --- |
| Zinc | ppm | ASTM D5185m | 1150 | 1152 | 1207 | --- |
| Sulfur | ppm | ASTM D5185m | 5000 | 3442 | 3893 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 48 | 55.8 | 53.5 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0204992

Lab Number : 06224773

Unique Number : 11102970

Test Package : CONST (Additional Tests: PQ)

Received : 01 Jul 2024

Tested : 02 Jul 2024

Diagnosed : 02 Jul 2024 - Don Baldrige

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)

JRE - GREENSBORO
411 SOUTH REGIONAL ROAD
GREENSBORO, NC
US 27409

Contact: NICK GALLAHER
NGALLAHER@JRENET.COM

T: (336)668-2762

F: (336)665-9556