



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL

Machine Id
JOHN DEERE 245G F801573
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0213098 | JR0122047 | --- |
| Sample Date | | Client Info | | 30 May 2024 | 25 Jan 2023 | --- |
| Machine Age | hrs | Client Info | | 3076 | 2014 | --- |
| 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

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|-----|
| PQ | | ASTM D8184 | >1250 | 287 | 245 | --- |
| Iron | ppm | ASTM D5185m | >750 | 722 | 463 | --- |
| Chromium | ppm | ASTM D5185m | >9 | 9 | 8 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 1 | 2 | --- |
| Titanium | ppm | ASTM D5185m | | 6 | 2 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >40 | 86 | 46 | --- |
| Lead | ppm | ASTM D5185m | >15 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >40 | 2 | 2 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

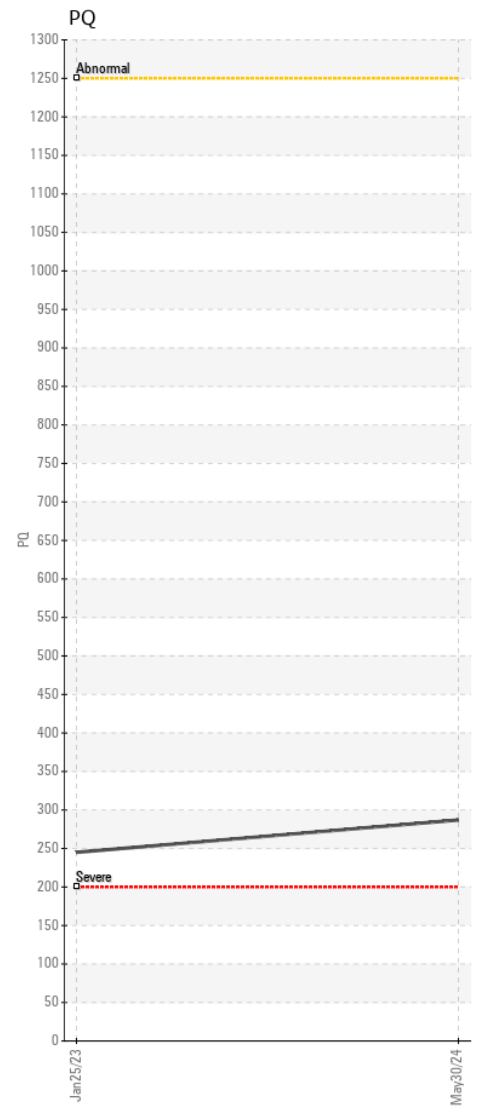
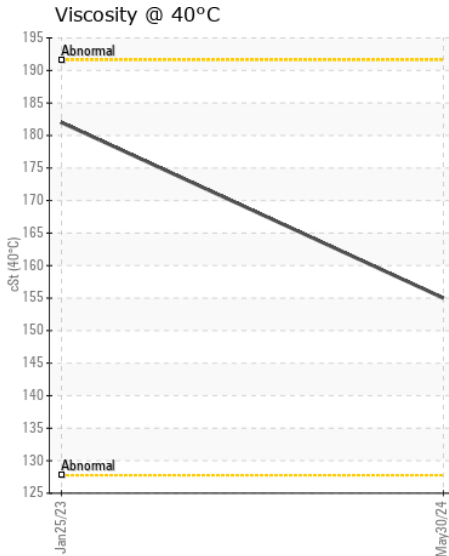
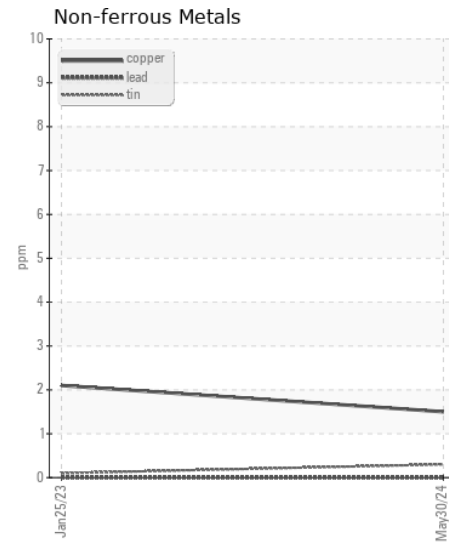
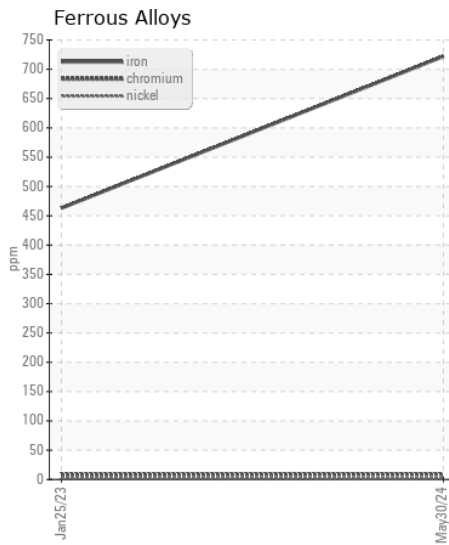
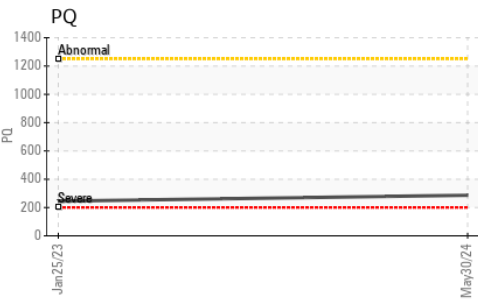
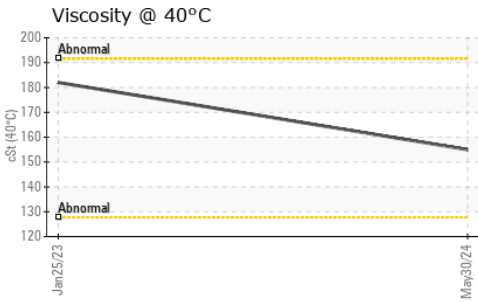
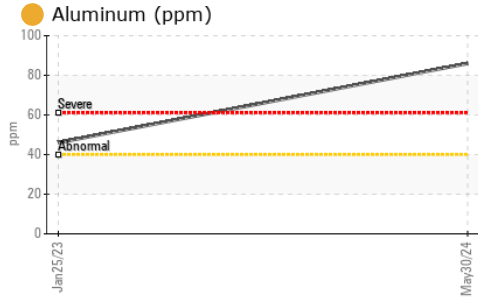
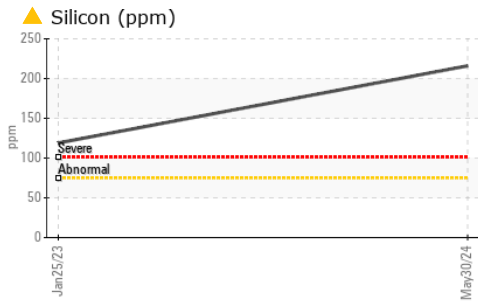
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 216 | 119 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 19 | 12 | --- |
| Water | | WC Method | >0.075 | 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 | >0.075 | NEG | NEG | --- |

FLUID CONDITION

The condition of the oil is suitable for further service.

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | >51 | 8 | 4 | --- |
| Boron | ppm | ASTM D5185m | | 19 | 55 | --- |
| Barium | ppm | ASTM D5185m | | 4 | 8 | --- |
| Molybdenum | ppm | ASTM D5185m | | 8 | 1 | --- |
| Manganese | ppm | ASTM D5185m | | 11 | 8 | --- |
| Magnesium | ppm | ASTM D5185m | | 26 | 4 | --- |
| Calcium | ppm | ASTM D5185m | | 49 | 16 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1588 | 491 | --- |
| Zinc | ppm | ASTM D5185m | | 39 | 30 | --- |
| Sulfur | ppm | ASTM D5185m | | 26099 | 17904 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 155 | 182 | --- |



Certificate L2367

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

Sample No. : JR0213098

Lab Number : 06196977

Unique Number : 11059100

Test Package : CONST (Additional Tests: PQ)

Received : 31 May 2024

Tested : 03 Jun 2024

Diagnosed : 04 Jun 2024 - Sean Felton

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

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