

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[198666]
Machine Id
JOHN DEERE GDM1691
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 40. Veuillez confirmer.

Wear

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number | Client Info | | | WA0019907 | --- | --- |
| Sample Date | Client Info | | | 22 Sep 2023 | --- | --- |
| Machine Age | hrs | Client Info | | 334 | --- | --- |
| Oil Age | hrs | Client Info | | 86 | --- | --- |
| Oil Changed | Client Info | | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---------------|-----------|--------|------------|----------------|----------|----------|
| Fuel | WC Method | | >2.1 | <1.0 | --- | --- |
| Glycol | WC Method | | | NEG | --- | --- |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|---------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | >51 | 4 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >11 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 72 | --- | --- |
| Silver | ppm | ASTM D5185(m) | >3 | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >31 | 2 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >26 | <1 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >26 | <1 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >4 | 0 | --- | --- |
| Antimony | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Beryllium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185(m) | | 0 | --- | --- |

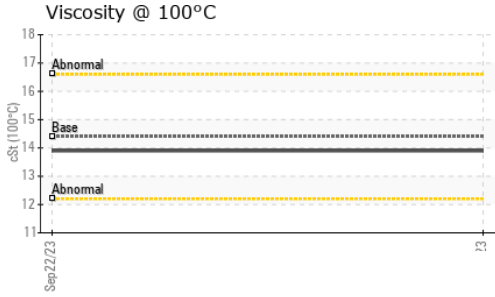
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|---------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) | 250 | 114 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 10 | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 8 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 450 | 477 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1644 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 1004 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1145 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 4250 | 3210 | --- | --- |
| Lithium | ppm | ASTM D5185(m) | | <1 | --- | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|---------------|------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | >22 | 4 | --- | --- |
| Sodium | ppm | ASTM D5185(m) | >216 | 3 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | --- | --- |

| INFRA-RED | | method | limit/base | current | history1 | history2 |
|-----------|----------|-------------|------------|-------------|----------|----------|
| Soot % | % | ASTM D7844* | >3 | 0 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.2 | --- | --- |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 18.5 | --- | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|-------------|------------|-------------|----------|----------|
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 13.1 | --- | --- |

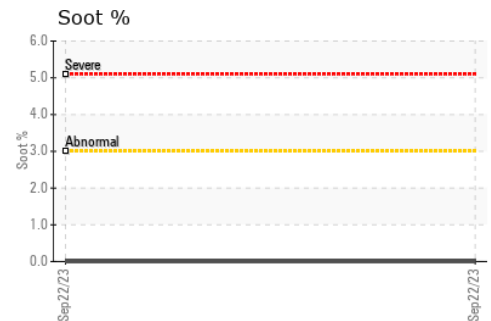
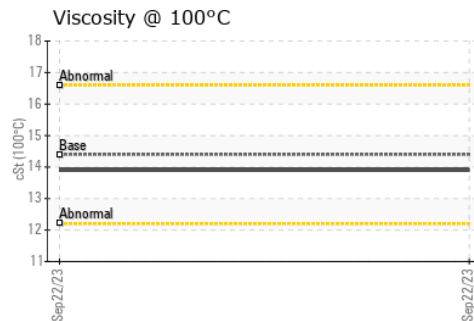
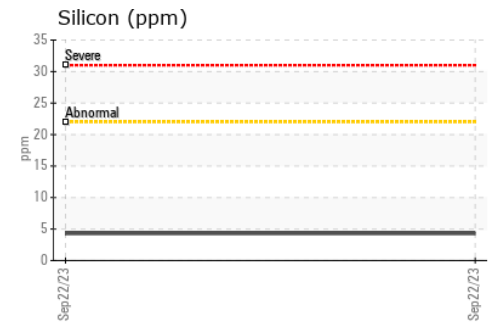
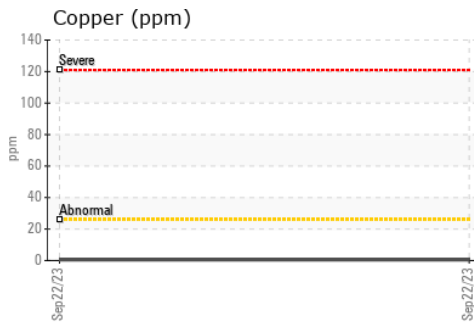
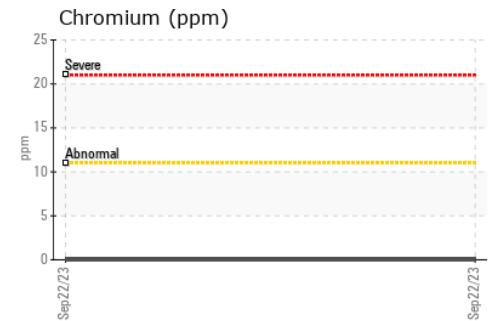
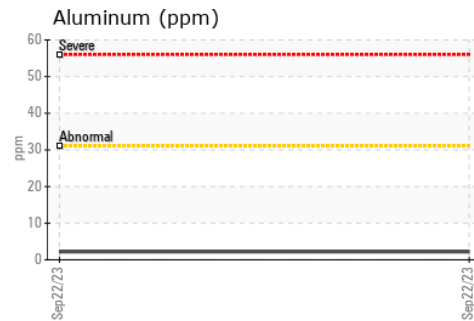
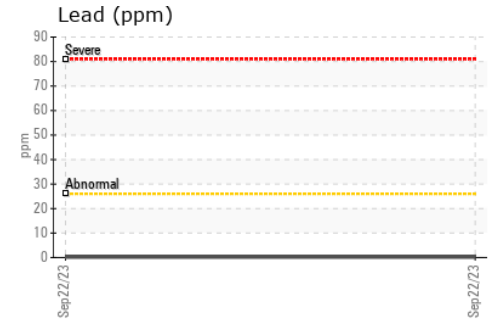
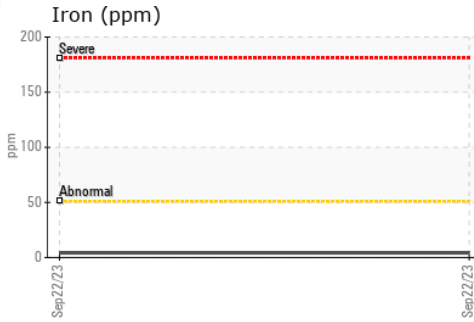
OIL ANALYSIS REPORT



| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Emulsified Water | scalar | Visual* | >0.21 | NEG | --- |
| Free Water | scalar | Visual* | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 100°C | cSt | ASTM D7279(m) | 14.4 | 13.9 | --- |

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0019907
Lab Number : 02588173
Unique Number : 5657239
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.