



OIL ANALYSIS REPORT

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



Machine Id
BELL B30E B93A631ET03310401
 Component
Diesel Engine
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | BE0017413 | --- | --- |
| Sample Date | | Client Info | | 13 Feb 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 1154 | --- | --- |
| 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 | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-----|-----|
| PQ | | ASTM D8184 | >79 | 15 | --- | --- |
| Iron | ppm | ASTM D5185m | >100 | 25 | --- | --- |
| Chromium | ppm | ASTM D5185m | >20 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >4 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | >3 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >20 | 8 | --- | --- |
| Lead | ppm | ASTM D5185m | >40 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >330 | 10 | --- | --- |
| Tin | ppm | ASTM D5185m | >15 | 2 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

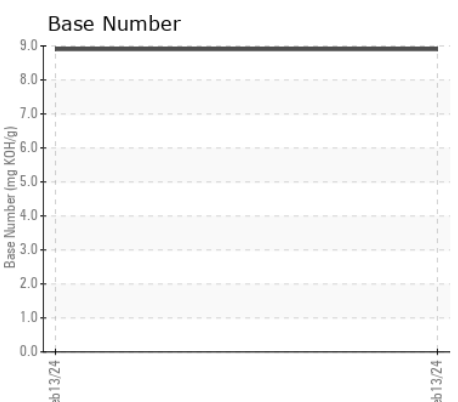
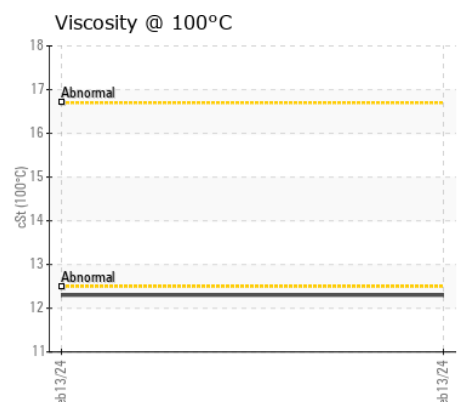
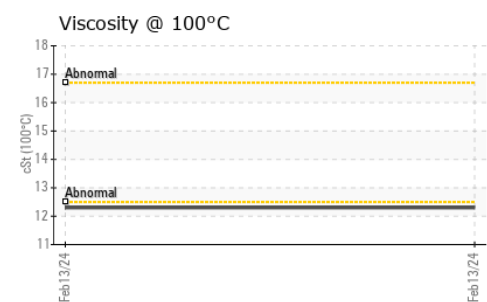
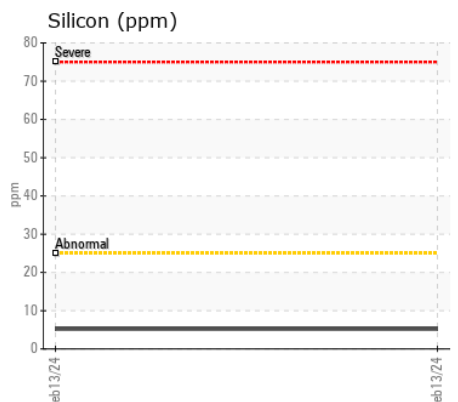
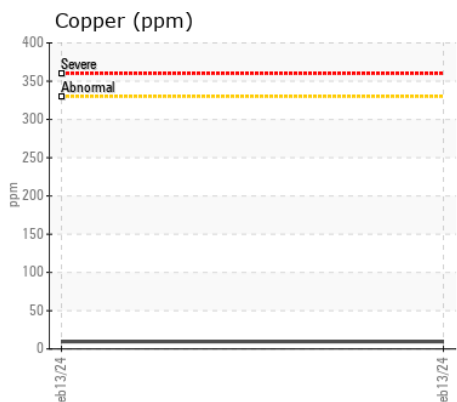
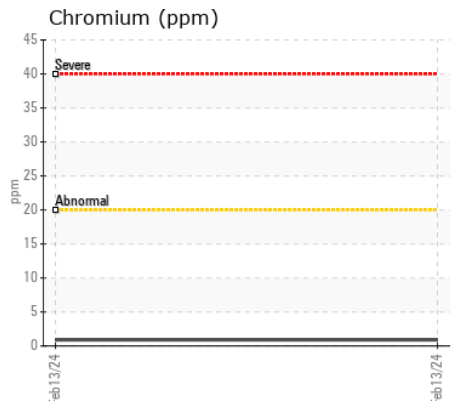
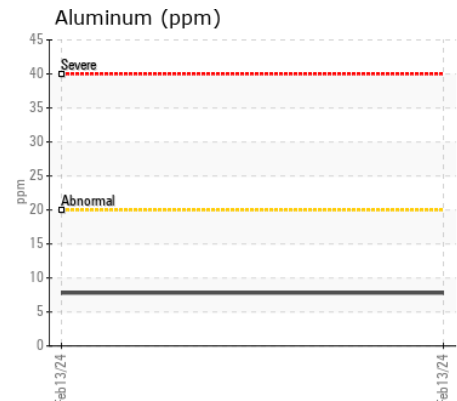
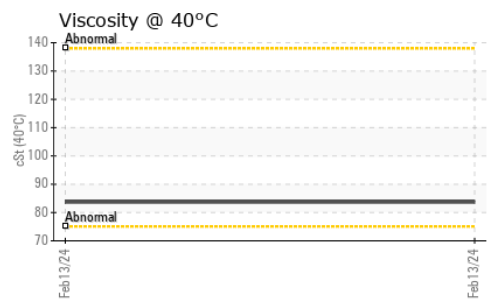
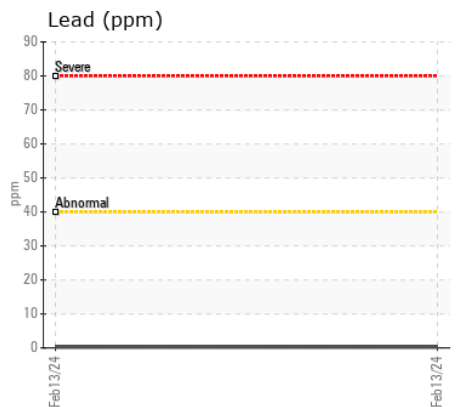
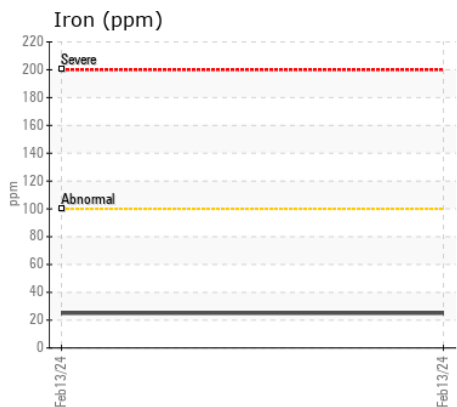
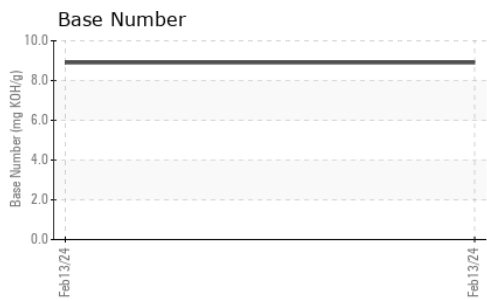
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|----------|-------------|-------|----------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >25 | 5 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | --- | --- |
| Fuel | % | ASTM D3524 | >5 | <1.0 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | *ASTM D7844 | >3 | 0.5 | --- | --- |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.5 | --- | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 18.0 | --- | --- |
| 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 | --- | --- |

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| | | | | | | |
|----------------------|----------|-------------|-----|-------------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 2 | --- | --- |
| Boron | ppm | ASTM D5185m | | 20 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 65 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 2 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 932 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 1178 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1061 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 1207 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 3468 | --- | --- |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 13.5 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 8.9 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 83.7 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | | 12.3 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 | | 142 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : BE0017413 **Received** : 18 Mar 2024
Lab Number : 06121523 **Tested** : 21 Mar 2024
Unique Number : 10930356 **Diagnosed** : 21 Mar 2024 - Jonathan Hester
Test Package : MOBCE (Additional Tests: FuelDilution)

Central Atlanta Tractor Sales
 4240 MLK Jr. Drive
 Atlanta, GA
 US 30336
 Contact: Chuck Spooner
 chuck@centralatlantatractor.com
 T: (770)819-6600
 F:

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)