# OIL ANALYSIS REPORT

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

Machine Id
## BELL L1H-1H N777GH - SINGLE (S/N LE-105432)
Component
## Turbine
Fluid
## MOBIL JET OIL II (10 QTS)

## RECOMMENDATION

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

## WEAR

All component wear rates are normal.

## CONTAMINATION

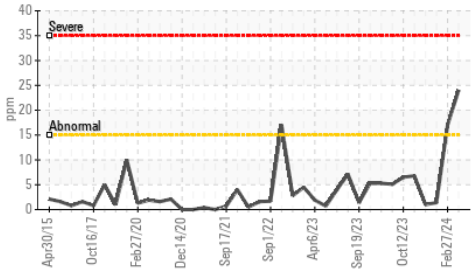
Elemental level of silicon (Si) above normal.

## FLUID CONDITION

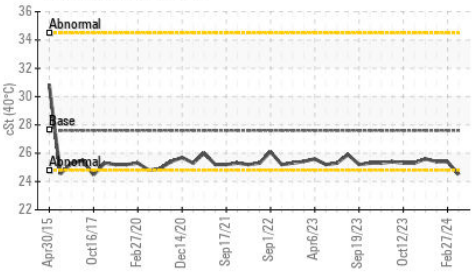
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | GF0000446 | GF0001492 | GF0001487 |
| Sample Date | | Client Info | | 17 May 2024 | 27 Feb 2024 | 04 Feb 2024 |
| TSN | hrs | Client Info | | 2727 | 2717 | 2707 |
| TSO | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 30 | 19 | 10 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | ABNORMAL | ABNORMAL | NORMAL |
| Iron | ppm | ASTM D5185m | >15 | 0 | 2 | 0 |
| Chromium | ppm | ASTM D5185m | >4 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >10 | 0 | 2 | 0 |
| Lead | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >5 | 0 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >5 | 1 | 1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >15 | ▲ 24 | ▲ 17 | 1 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | <1 | 1 |
| Water | | WC Method | >.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >.1 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Boron | ppm | ASTM D5185m | | 0 | 3 | 0 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Calcium | ppm | ASTM D5185m | | 0 | 7 | 0 |
| Phosphorus | ppm | ASTM D5185m | | 3067 | 2920 | 3085 |
| Zinc | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Sulfur | ppm | ASTM D5185m | | 9 | 0 | 0 |
| Visc @ 40°C | cSt | ASTM D445 | 27.6 | 24.5 | 25.4 | 25.4 |

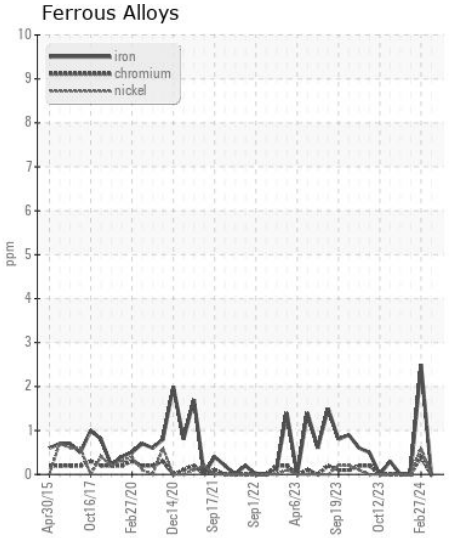
Silicon (ppm)



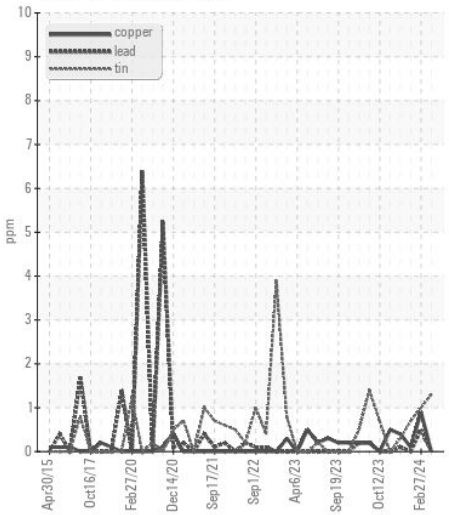

Viscosity @ 40°C



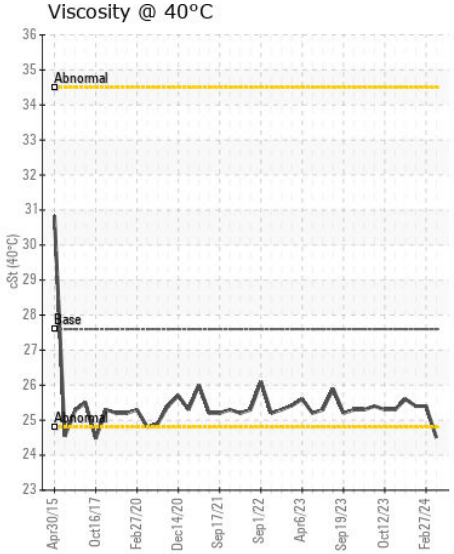

Ferrous Alloys




Non-ferrous Metals




Viscosity @ 40°C




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : GF0000446
**Lab Number** : 06195848
**Unique Number** : 11057971
**Test Package** : AVI 1

**Received** : 30 May 2024
**Tested** : 31 May 2024
**Diagnosed** : 02 Jun 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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