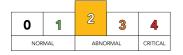


## Lubricant Analysis Report

North America: +1-877-808-3750

Latin America: +1-317-808-3750 / +502-3093-6466 (WhatsApp)

Europe: +1-317-808-3750



Overall report severity based on comments.

| Account Information   | Component Information               | Sample Information                          |  |  |  |  |  |  |  |  |
|---|-------------------------------------|---|--|--|--|--|--|--|--|--|
| Account Number: 153995-0000-0000  | Component ID: A5353455 E            | Tracking Number: 23265A85714                |  |  |  |  |  |  |  |  |
| Company Name: BOOM AND BUCKET   | Secondary ID: SN#10620              | Lab Number: H-830155                        |  |  |  |  |  |  |  |  |
| Contact: ADAM LAWRENCE/KRIS HUFF  | Component Type: DIESEL ENGINE       | Lab Location: Houston                       |  |  |  |  |  |  |  |  |
| Address: C/O SAMIR SHAH 701 BRAZOS  | Manufacturer: Information Requested | Data Analyst: AC                            |  |  |  |  |  |  |  |  |
| ST STE 300  | Model: Information Requested        | Sampled: 10-Jan-2024                        |  |  |  |  |  |  |  |  |
| AUSTIN, TX US   | Application: UNKNOWN                | Received: 12-Sep-2024                       |  |  |  |  |  |  |  |  |
| Phone Number: 213-463-5980/775-225-3529   | Sump Capacity:                      | Completed: 13-Sep-2024                      |  |  |  |  |  |  |  |  |
| Filter Information  | Miscellaneous Information           | Product Information                         |  |  |  |  |  |  |  |  |
| Filter Type: Information Requested  |                                     | Product Manufacturer: Information Requested |  |  |  |  |  |  |  |  |
| Micron Rating: 0  |                                     | Product Name: Information Requested         |  |  |  |  |  |  |  |  |
|   |                                     | Viscosity Grade: Information Requested      |  |  |  |  |  |  |  |  |
| Comments   Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and |                                     |   |  |  |  |  |  |  |  |  |

fluid conditions. Silicon is at a MODERATE LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; In order to properly compare data to the correct standards, please provide COMPONENT MANUFACTURER and MODEL, and the FLUID MANUFACTURER, PRODUCT NAME, and VISCOSITY GRADE. Unit and/or lubricant TIME missing.

|          | Wear Metals (ppm) |  |   |   |   |         |        |           |          | Contaminant<br>Metals (ppm) |          |           | Multi-Source Metals (ppm) |       |           |         |        |            | Additive Metals (ppm) |     |      |   |     |     |
|----------|-------------------|--|---|---|---|---------|--------|-----------|----------|-----------------------------|----------|-----------|---------------------------|-------|-----------|---------|--------|------------|-----------------------|-----|------|---|-----|-----|
| Sample # | Iron              | ickel luminum opper admium admium lver |   |   |   | Silicon | Sodium | Potassium | Titanium | Molybdenum                  | Antimony | Manganese | Lithium                   | Boron | Magnesium | Calcium | Barium | Phosphorus | Zinc                  |     |      |   |     |     |
| 1        | 18                | 2                                      | 1 | 4 | 2 | 1       | 0      | 0         | 0        | 0                           | 40       | 6         | 1                         | 0     | 51        | 0       | 1      | 0          | 64                    | 659 | 1722 | 0 | 872 | 987 |

|   |      |             | Sample      | e Inforr  | mation    |          |               |          |                  | Contaminants | Fluid Properties |                   |                     |                |                   |             |                |  |
|---|------|-------------|-------------|-----------|-----------|----------|---------------|----------|------------------|--------------|------------------|-------------------|---------------------|----------------|-------------------|-------------|----------------|--|
|   | ple# | e Sampled   | e Received  | Lube Time | Unit Time | e Change | Lube<br>Added | r Change | Fuel<br>Dilution | Soot         | Water            | Viscosity<br>40°C | Viscosity<br>100 °C | Acid<br>Number | Base No.<br>D4739 | Oxidation   | Nitration      |  |
|   | Sam  | Date        | Date        | h         | h         | Lub      | gal           | Filte    | %                | %            | %                | cSt               | cSt                 | mg<br>KOH / g  | mg<br>KOH / g     | abs /<br>cm | abs /<br>0.1mm |  |
| Γ | 1    | 10-Jan-2024 | 12-Sep-2024 | 0         | 0         | Unk      | 0             | Unk      | <2 - Estimate    | <.1          | <.1 - FTIR       |                   | 13.4                |                | 8.34              | 13          | 6              |  |

|          |          |                       |                              | Partio                       | cle Count          | : (particle | Add                                   | itional <sup>-</sup>          | Testing                      |             |  |  |  |  |  |
|----------|----------|-----------------------|------------------------------|------------------------------|--------------------|-------------|---------------------------------------|-------------------------------|------------------------------|-------------|--|--|--|--|--|
| Sample # | Based On | A<br>v<br>particles / | o<br>^<br>/particles /<br>mL | OL<br>A<br>particles /<br>mL | nL<br>\particles / | particles / | & & & & & & & & & & & & & & & & & & & | OZ<br>^<br>/particles /<br>mL | 00<br>A<br>particles /<br>mL | Test Method |  |  |  |  |  |
| 1        | //       |                       |                              |                              |                    |             |                                       |                               |                              |             |  |  |  |  |  |

Comments are advisory only and are based on the sample information provided by the customer being valid. Results related only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.