2604 NE Industrial Drive, Suite 230
North Kansas City, Missouri 64117
Telephone: 816.231.5580
Fax: 816.231.5641
www.occutec.com
OCCU-TEC, Inc.

- Corporate Office – North Kansas City, MO

- Branch Offices
  - Cedar Falls, IA
  - Gary, IN
  - Detroit, MI
  - Huntsville, Al (Opening Soon!)
OCCU-TEC, Inc.

- Energy Systems
- Environmental Management
- Loss Prevention and Training
Environmental Management

- Asbestos management
- Mold testing
- Indoor Air Quality studies
- Lead testing
- Industrial Hygiene Surveys
- Noise sampling
- Regulatory compliance
- Phase I, II, III Environmental Site Assessments
- Etc...
Loss Prevention and Training

- Safety Compliance
- Safety Management
  - ReClaim
- Classroom Training
- Online training
Energy Systems

- Tank and Fuel Quality Management
- Tank Installation
- Tank Removal and Closure
- Emergency Fueling Services
- Designated Operator Services
- Fuel Polishing and Tank Cleaning
- Automated Tank Monitoring Systems
- Fuel Sampling and Analysis
- Fuel Delivery and Additive Packages
Why?

- Maintaining fuel for backup generator and building continuity
- Protecting asset investments
- Maintenance and upgrades for improved functionality and regulatory compliance
- Avoid regulatory fines
- Safety and hazard communication
- Protecting company image
- Free local fuel/tank audit service
Fuel Inspections

Poor Quality Fuel  High Quality Fuel
# Full Fuel Tank Audit

**FUEL TANK AUDIT**

**LOCATION:** Broadcast Client  
**DATE:** 3/1/2019

## 1 - TANK OVERVIEW

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Result/Description</th>
<th>Category Rating (Good/Fair/Poor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank Type: AST/ST/Belly</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tank Size (Gallons)</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Tank Material</td>
<td>Monel</td>
<td>Double Wall</td>
</tr>
<tr>
<td>Construction Type: Painted, Double-Wall, Single-Wall, DRI, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tank Shape: Cylinder or Rectangular [C or R]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tank Anchored to Concrete</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Anchors Installed Securely</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Grounding Straps Present and Secure</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Concrete Tank Free of Cracks (New Yes / NA)</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

- **Tank Grounding and Anchoring Condition:** Good
- **Labels and Placarding Condition:** Good
- **Fuel System Coatings Condition:** Good
- **Venting Condition:** Good
- **Fill Port Condition:** Good

## 2 - LABELS AND PLACARDING

- **Proper Placarding:** (Fire Diamond, No Smoking, Combustible)
- **Tank Labelled with Capacity, Product, & Tank#**

## 3 - TANK AND COATINGS

- **Tank Coating Intact**
- **Other Fuel System Components Intact and Free of Visible Corrosion**
- **Free of Mild Corrosion (≤0.001" and No Pitting)**
- **Free of Moderate Corrosion (≤0.003" or ≤0.005" and Pitting)**
- **Free of Severe Corrosion (>0.005" and Pitting)**

## 4 - TANK VENTING

- **Primary Vent at Least 12 FT from the Ground**
- **Primary Vent at Least 5 FT from Building Opening**
- **Primary Vent Or Vent Piping Diameter Property Sized (≥1.25" minimum)**
- **Primary Vent Piping Dedicated**
- **Vent & Caps, Free of Obstruction and Water Tight**
- **All Vents Exhaust Outdoors**
- **Tank Required Emergency Vent Capacity (CFH)**
- **Actual Emergency Vent Capacity (CFH)**
- **Emergency Vent Covered (Not Rusted Or Painted Shut)**

## 5 - FILL PORT ON TANK

- **Overfill Container Present**
- **Overfill Container Free of Water and Debris**
- **Overfill Device Present (Overfill Valve, Alarm, Alarm LED/Alarm)**
- **Fill Port Outdoors & at Least 5 FT from RISG Openings**

- **Fill Port Condition:** Good
Full Fuel Tank Audit (2)

**6 - FUEL SAMPLE VISUAL ANALYSIS**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOOD OVERALL APPEARANCE</td>
<td>Check</td>
</tr>
<tr>
<td>FREE OF VISIBLE H2O IN FUEL</td>
<td>Check</td>
</tr>
<tr>
<td>FREE OF VISIBLE SEDIMENT IN FUEL</td>
<td>Check</td>
</tr>
<tr>
<td>FREE OF WATER OR SLUDGE ON TANK BOTTOM (TANK STICK READINGS)</td>
<td>Check</td>
</tr>
<tr>
<td>FREE OF BIOFILM IN FUEL</td>
<td>Check</td>
</tr>
</tbody>
</table>

**FUEL QUALITY CONDITION**
- GOOD
- FAIR
- POOR

**7 - FUEL PIPING**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE OF PIPING (E.G. TEE, STEEL, ETC.)</td>
<td>Check</td>
</tr>
<tr>
<td>PIPING FREE OF VISIBLE CORROSION</td>
<td>Check</td>
</tr>
<tr>
<td>ADEQUATELY PAINTED OR PROTECTED PIPING</td>
<td>Check</td>
</tr>
<tr>
<td>ANTI-SIPHON VALVE(S) INSTALLED (AS1)</td>
<td>Check</td>
</tr>
<tr>
<td>FIRE VALVE INSTALLED</td>
<td>Check</td>
</tr>
<tr>
<td>FUEL TANK PIPING FREE OF LEAKS OR WEAKNESS*</td>
<td>Check</td>
</tr>
</tbody>
</table>

**FUEL PIPING CONDITION**
- GOOD
- FAIR
- POOR

**8 - TANK GAUGING AND MONITORING**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECHANICAL PUMP AND GAUGE WORKING</td>
<td>Check</td>
</tr>
<tr>
<td>ELECTRONIC GAUGE PRESENT AND WORKING</td>
<td>Check</td>
</tr>
<tr>
<td>GENERAL CONDITION OF TANK MONITOR ACCEPTABLE (YES IF NA)</td>
<td>Check</td>
</tr>
<tr>
<td>TANK MONITOR FREE OF ALARMS OR WARNINGS</td>
<td>Check</td>
</tr>
<tr>
<td>OVERFLOW ALARM PRESENT AND WORKING</td>
<td>Check</td>
</tr>
<tr>
<td>INTERMITTENT SENSOR OR GAUGE INTACT</td>
<td>Check</td>
</tr>
</tbody>
</table>

**TANK GAUGING CONDITION**
- GOOD
- FAIR
- POOR

**9 - DAYTANK(S) - Present _X_ Not Present _X_**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTI-SIPHON DEVICE INSTALLED HORIZONTALLY (AS1)</td>
<td>Check</td>
</tr>
<tr>
<td>FREE OF LEAKS*</td>
<td>Check</td>
</tr>
<tr>
<td>PRIMARY VENT VENTS TO EXTERIOR</td>
<td>Check</td>
</tr>
<tr>
<td>PRIMARY VENT AT LEAST 32 FT ABOVE GROUND SURFACE</td>
<td>Check</td>
</tr>
<tr>
<td>PRIMARY VENT OF VENT PIPING (Diameter Property Sealed = 0.375&quot; minimum)</td>
<td>Check</td>
</tr>
<tr>
<td>PRIMARY VENT AT LEAST 5 FT FROM ANY BUILDING OPENING</td>
<td>Check</td>
</tr>
<tr>
<td>ALL DAYTANK CONSOLES LIGHTS FUNCTIONAL</td>
<td>Check</td>
</tr>
</tbody>
</table>

**DAYTANK CONDITION**
- GOOD
- FAIR
- POOR

**10 - SPCC REQUIREMENTS**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.133 GALLONS OF ABOVE GROUND OIL STORAGE</td>
<td>Check</td>
</tr>
<tr>
<td>SPCC PLAN ONFILE</td>
<td>Check</td>
</tr>
<tr>
<td>PLAN UPDATED WITHIN LAST 3 YEARS</td>
<td>Check</td>
</tr>
<tr>
<td>SPILL KIT ONSITE AND READILY ACCESSIBLE</td>
<td>Check</td>
</tr>
</tbody>
</table>

**SPCC PLAN CONDITION**
- GOOD
- FAIR
- POOR

* Denotes a Default POOR Category Ranking

**Comments:**
Tank Coatings
Fuel Polishing and Tank Cleaning

Fuel Filtering and Cleaning

Fuel Additives

Sludge Removal From Tank

Fuel Tank After Cleaning
Interior Tank Repairs

Striker Plate Installation

Interior Gel Coat
Tank Removal & Tank Installation

UST Removed

AST Installed
Staunton Virginia Project
Concrete pad poured for AST
Installation of AST
Enclosure built to match historic brick of the building.
Shawnee Mission Medical Center
UST Installation Project

• ATTACHED VIDEO!
Local Broadcast Company
Inspection & Tank Repairs
Who uses these services?

- Telecom
- Medical/Healthcare Industry
- Data Centers
- Government
- Broadcasting
- Education
- ANYONE who is already having their emergency generators serviced!
Contact Us!

Jason Swan – Director, Energy Systems
Phone: 816-994-3405
Email: jswan@occutecc.com

Brendon Butler – Business Development Manager,
Kansas City
Phone: 816-890-8749
Email: bbutler@occutecc.com