

# BIC

MAGAZINE

BUSINESS & INDUSTRY CONNECTION

October 2020

BICMagazine.com

A **BIC ALLIANCE** Publication

## TOTAL SAFETY HELPS CLIENTS SIMPLIFY COMPLEX PROBLEMS

With the new capabilities of its Technology Center, Total Safety is now more prepared than ever to help its clients achieve stellar safety records.

## PARFAB: SAFETY IS INHERENT

ParFab believes a strong safety culture is the key to success. As a global leader in turnaround, general mechanical, fired heater, reformer and fabrication services, ParFab ensures every job it performs is focused around safety.

## FEATURES

Shell's Hilary Mercer has legacy of managing world-scale projects

BASF's Jerry Lehold leading Geismar site through expansion, pandemic

Industry 4.0: Connected safety insights

Infrastructure success depends on innovation, flexibility

Chevron's Wirth: Industry will emerge victorious after virus

ConocoPhillips: ORM benefits workers, processes and bottom line

FHR: Start with 'the why' when transforming field productivity

Next-generation workforce demands next-generation training

Texas Methane & Flaring Coalition finds industry-led solutions

Plant managers: Projects still on hold, but ready to restart

Turnaround season to face new challenges, precautions

Deciphering the buzz around AWP: A real-world lesson



# Connected so your workforce stays protected.

See Page 13

### Usage and compliance

Total usage hours  
22,105.53

Total compliance  
81.33%

Total out of bump  
17.72%

Total out of calibration  
2.76%



### Usage by user



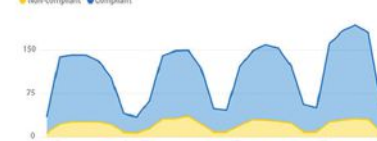
### Calibration compliance



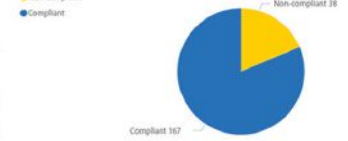
### Bump test compliance



### Usage over time



### Compliance vs non-compliance



# Delivering reliable boiler solutions with integrity, dependability

## Nationwide Boiler Inc.

Established in 1967 for the purpose of providing temporary rental boilers to steam users, Nationwide Boiler Inc. pioneered the concept of mounting large watertube package boilers on highway-legal trailers for mobility. The company now maintains a fleet of over 100 rental boilers serving many essential industries throughout the world, including petroleum refineries, chemical processors, pulp and paper companies, and manufacturing plants.

Ranging from 47.5 horsepower to 200,000 pounds per hour (lb/hr), Nationwide Boiler maintains a purpose-built fleet of temporary boiler equipment to support a wide range of process requirements. This includes complete mobile boiler rooms, trailer-mounted package boilers, mobile feedwater systems and a variety of boiler auxiliaries. In addition, the company maintains the world's largest mobile boilers: a 110,000-lb/hr superheated steam boiler and a 125,000-lb/hr saturated steam boiler.

With multiple storage facilities across the country, Nationwide Boiler can facilitate quick shipment and cost savings for

its clients. The company's headquarters and main storage facility is in Fremont, California, and its controls division, Pacific Combustion Engineering, serves as both a panel fabrication shop and a storage facility in Washougal, Washington. Nationwide Boiler partners with five other companies for remote maintenance and storage of boiler equipment, located in Alvin, Texas; Bessemer, Alabama; Cleveland; Council Bluffs, Iowa; and Washington, Pennsylvania.

Rental equipment is not the only service Nationwide Boiler offers. Since its founding, the company has grown into much more than a rental boiler supplier, providing complete steam plant solutions with rental equipment, new and reconditioned boilers for sale, emissions control with the CataStak™ selective catalytic reduction (SCR) system, and customizable, programmable logic controller (PLC)-based control systems and fuel skids.

Nationwide Boiler's CataStak SCR system has been installed in nearly 200 applications with proven emissions reduction to as low as 2.5 ppm of NO<sub>x</sub>. It offers a versatility like no other, with options for anhydrous

ammonia, aqueous ammonia or urea, as well as vertical or horizontal configurations, and it is available for both temporary and permanent needs. It can be utilized for reduced NO<sub>x</sub>, carbon monoxide (CO) and VOC emissions on package boilers, fired heaters, gas turbines and other demanding applications.

In 2017, Nationwide Boiler acquired Pacific Combustion Engineering, a UL-certified manufacturing facility in Washougal. Pacific Combustion specializes in the design and fabrication of customizable, PLC-based burner management and combustion control systems as well as fuel trains for boilers and process equipment applications.

With the expertise acquired through Pacific Combustion, Nationwide Boiler is now on the path to converting its entire fleet of rental boilers to include PLC-based touchscreen control systems.

Recently, the company closed on what began as the largest rental project in the industry, supplying over 600,000 lb/hr of temporary steam to a new Aramco facility in Jizan, Saudi Arabia. To accomplish this, Nationwide Boiler shipped three 200,000-

lb/hr Babcock & Wilcox Package Watertube Boilers along with economizers, a deaerator tank with feed pumps and a plant master workstation. All boilers were in stock and available instantly, a key factor in the success of the project. After one year of operation, the facility purchased all equipment, becoming the largest sale in Nationwide Boiler's 53-year history.

Another notable project and ongoing rental includes the supply of six 75,000 lb/hr trailer-mounted, superheated steam boilers with CataStak SCR systems to a refinery in the Gulf Coast. This multi-year project provided Nationwide with the opportunity to build the first six urea-based CataStak SCR systems for rent. The company now maintains a fleet of urea- and ammonia-based SCR systems for temporary rental projects.

With a seasoned and strong management team, Nationwide Boiler strives to provide reliable solutions through "Integrity, Dependability and Real Customer Service."

**For more information, visit [www.nationwideboiler.com](http://www.nationwideboiler.com) or call (800) 227-1966.**

**HELIX**  
RESOURCES

HIGHLY TRAINED  
WORKFORCE  
SOLUTIONS

HELIX RESOURCES is a leading comprehensive talent solution provider. We attract quality, career-focused candidates and reduce turnover while boosting employee morale, improving time management and operational focus.

HELIX RESOURCES provides services no other company can match!

## HR<sup>2</sup> BENEFITS

- ▶ Rich benefit package
- ▶ Eliminates administrative burden of HR, payroll and employee benefits.
- ▶ Vacation and holiday schedules
- ▶ Allows customers to compete with larger employers for talent while remaining lean

[WWW.HELIXRESOURCES.COM](http://WWW.HELIXRESOURCES.COM)    [INFO@HELIXRESOURCES.COM](mailto:INFO@HELIXRESOURCES.COM)    985.226.0292

## 24/7 EMERGENCY RENTAL BOILER SERVICE

"...Integrity, Dependability, Real Customer Service."

TRAILER-MOUNTED BOILERS

MOBILE BOILER ROOMS

AUXILIARY EQUIPMENT

- 47.5 hp - 200,000 lb/hr Saturated and Superheat Steam
- Quick Delivery and Cost Savings with Multiple Maintenance Facilities Across the U.S.
- 2 ½ PPM NO<sub>x</sub> Solutions with the Proven CataStak™ SCR System

**Reliable Equipment, Superior Service. Call Today!**

**Nationwide Boiler Incorporated**

[www.nationwideboiler.com](http://www.nationwideboiler.com) • [info@nationwideboiler.com](mailto:info@nationwideboiler.com) • (800) 227-1966