



CASE STUDY

The Customer: Halliburton Company
The Challenge: Cement Transport Applications
The Conclusion: QSLP 60 rotary screw compressor



Quincy's Rotary Screw Technology Delivers

Halliburton Company, a global leader in oilfield and well-site services industry, relies on the proven performance and exceptional reliability of Quincy Compressor equipment throughout its cementing operations.

The Customer

Founded in 1919, Halliburton today ranks among the world's largest providers of products and services to the petroleum and energy industries, with operations in over 100 locations. Through its Fluid Services Division, the company is a recognized leader in well-site services, focusing on fluid management and technologies to assist in the drilling and construction of oil and gas wells, including cementing services.

Halliburton originated the oilfield cementing process and continues as a global leader in the field. Cementing ensures a bond to provide structural support for the well casing, provides zonal isolation behind the casing to prevent fluid movement between formations, helps maintain wellbore integrity and improves the longevity of the well's productive cycle.

The Challenge

Dotted along the Gulf Coast in locations like Venice, Cameron and Intercoastal City, Louisiana, Halliburton operates bulk plants that handle powder cement products for use in offshore drilling

applications, as well as inland water and land-based wells, for petroleum companies like Exxon and BP. In the plants, the powder cement is combined with



additives used to modify the performance of the cement blends, including accelerators, dispersants, fluid loss, gas migration, latexes, retarders and weighting agents. The cement blend is then transported to the well site and mixed into a slurry liquid for use in cementing operations.

The Halliburton bulk plants require air pressure to run the facilities. As Maintenance Supervisor Todd Lynch explains, the operations need to use both sides of the air compressor – the vacuum side to draw the powder cement and additives into tanks and then the compressed air side to pressurize the tanks and blow the product back out. Originally, they had been using 300 cfm reciprocating compressors, but needed to step-up into the 1,500 acfm range. In

addition, they found that when using the reciprocating compressors in a vacuum mode there was a tendency to draw oil out of the crankcase and carry it over into the air system.

The Conclusion

To meet these unique needs, Halliburton selected Quincy Compressor's QSLP series of rotary screw compressors, provided by authorized Quincy Compressor distributor Hertz/Service Pump & Compressor. Quiet and reliable, the QSLP is ideally suited for low-pressure applications such as bulk cement facilities. The QSLP runs clean with only 2-3 ppm carryover and uses 10-25% less energy than competing equipment. Plus, the QSLP was specifically designed by Quincy as a true low-pressure machine versus other manufacturers that simply convert high-pressure equipment to low-pressure usage.

"I know first hand that these Quincy screw compressors love vacuum service," says Lynch. "You can run them on a vacuum all day long and not have a lot of oil carryover. They give us excellent service."

continued on reverse



WORLD'S BEST WARRANTY = 10-YEAR AIREND COVERAGE

When it comes to reliability, everyone is making the same promise. But when it comes to keeping the promise, Quincy Compressor stands alone. This is why Quincy Compressor has introduced its exclusive ten-year airend warranty, which covers both parts and labor on select models. Reliability is about confidence, performance, and trust – every day. Quincy Compressor's Royal Blue Warranty program is proving reliability for the next ten years.

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In a typical industrial setting, compressors are mounted on a skid or secured to the plant floor. After Hurricanes Katrina and Rita completely destroyed the company's facilities and equipment along the Gulf Coast in 2005, Halliburton sought a solution to avoid a similar catastrophe in the future. Lynch designed a portable, quick-disconnect, skid-mounted compressor package that combines three QSLP 60 rotary screw compressors and two 340 D high-pressure compressors, together with a refrigerated

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Maintenance Supervisor
Halliburton Company

dryer, a blower and all the necessary plumbing. In the event of an advancing hurricane, the top half of the skid containing all the expensive equipment can be winched onto a trailer and transported to high ground in less than an hour. "Some



people are saying this is the best thing since popcorn," Lynch says. The pull-off compressor packages are currently in place

at three of Halliburton's Gulf Coast bulk cement facilities.

PRODUCTS AND SERVICES

Quincy's product line includes the following categories:

- Rotary Screw Compressors
 - QSI 50 - 300 hp
 - QGV 50 - 200 hp
 - QGB 10 - 60 hp
 - QSF 50 - 200 hp
- Reciprocating Compressors
 - QR25 1 - 25 hp
 - QT 3 - 15 hp
 - PLT 3 - 15 hp
- Climate Control & Medical Systems
- Vacuum Pumps
- Air Treatment
- EQ Auditing Services

MARKETS AND INDUSTRIES

- Agriculture/Farm
- Automotive/Tire
- Climate Control
- Contractor/Builder
- Dry Cleaning
- Energy Exploration
- Food & Beverage
- Low Pressure
- Manufacturing
- Medical & Dental
- Pharmaceutical
- Plastics
- Woodworking

UNDENIABLY THE WORLD'S FINEST

Quincy Compressor, an EnPro Industries company, specializes in compressed air technology, offering top-notch products and services since 1920. Serving the industry nearly eight decades, Quincy is on the cutting edge, engineering reliability and quality into every offering. Award-winning accomplishments have allowed Quincy to build solid relationships with its customers and achieve compressed air systems best practices. Quincy's flagship products include the QSI and QGV rotary screw compressors, the reciprocating QR-25, QT and Climate Control packages along with its innovative Royal Blue Warranty, widely recognized as the industry's strongest warranty program.



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