



## Overview

### CASE STUDY:

Baudouin | Detroit Peru | Jupiter IV Pusher

### PRODUCT:

2 x 6M33.2 Baudouin Marine Propulsion Engines

#### Duty:

Heavy Duty



#### POWER:

1200 HP at 1800 RPM

#### APPLICATION:

Pusher workboat

#### PARTNERS:

Distributor: Detroit Peru

Operator: Transportes Jupiter

Shipyard: Transportes Jupiter

#### LOCATION:

Perú

The JUPITER IV pusher is owned and operated by Transportes Jupiter and is dedicated to crude oil transportation along the Amazon River basin. Operating on one of the region's most demanding inland waterways, the vessel transports crude oil from the towns of Breña and Ucayali to Manaus, Brazil, playing a key role in supplying energy to remote Amazonian regions.

The vessel is designed to push four barges of 30,000 barrels each, enabling a total transport capacity of 120,000 barrels per voyage. The river distance between Breña and Manaus is approximately 1,840 km, with a full round trip typically completed in 28 days. Operating at a cruising speed of around 8 knots, the JUPITER IV must deliver continuous thrust, high reliability, and endurance over long operating cycles, often far from major service hubs.

For this project, Transportes Jupiter selected Baudouin as its propulsion engine partner, equipping the JUPITER IV with two Baudouin 6M33.2 marine propulsion engines. This choice reflects confidence in the Baudouin marine propulsion range, specifically engineered for demanding commercial and inland navigation applications. The 6M33.2 engines deliver the torque and robustness required for heavy pushing duties, ensuring stable propulsion performance when handling fully loaded barge convoys. Their design supports continuous heavy-duty operation while maintaining fuel efficiency and controlled operating temperatures, even in tropical river environments.

Since entering service in October 2024, the JUPITER IV has demonstrated reliable performance across long-distance Amazon River operations. Its iron hull construction, combined with the robust Baudouin propulsion package, enables safe and efficient crude oil transport to multiple destinations, including Manaus and Belém, extending toward the Atlantic coast.

Baudouin's marine propulsion range is widely recognized for its durability, reliability, and suitability for harsh operating conditions. Modular engine architecture, marine-specific components, and proven combustion technology contribute to ease of maintenance and extended service interval, key advantages for inland operators where vessel uptime is critical.

Beyond engine performance, serviceability and spare parts availability were decisive factors in Transportes Jupiter's selection. Through Detroit Power System Peru and Detroit Power System Amazonia, Baudouin ensures strong regional technical coverage, fast access to spare parts, and qualified service support. This comprehensive after-sales network enables high vessel availability, reduced downtime, and optimized lifecycle costs across extended inland operations.

#### Customer Testimonial

"We are very pleased to strengthen our partnership with Baudouin, a company renowned for its excellence and reliability. During this time, we have shared ideas, experiences, and a common vision focused on continuous improvement, with the goal of offering greater value to our customers. This has been achieved with passion, commitment, and solid technical expertise. The engineering development, led by Detroit Power System Peru and Detroit Power System Amazonia, has guaranteed ongoing monitoring, innovative solutions, and comprehensive support at every stage of the process."

**Sr. Manuel Vergara, owner of Transportes Jupiter**

