



Overview

CASE STUDY:

SAINT SAUVEUR – COMPAGNIE INTERÎLES – FRANCE

PRODUCT:

2 x Baudouin 6M26.3 Marine Propulsion Engines

CLASSIFICATION SOCIETY:

IMO II / EPA 3

DUTY:

P1 Continuous Duty

POWER OUTPUT:

2 x 441 kW (600 hp) @ 1800 RPM

APPLICATION:

Passenger Vessel

PARTNERS:

Distributor: EMS

Shipyard: Sea Pole La Rochelle

Customer: Compagnie Interîles (Compagnie Vendéenne)

Baudouin's collaboration with Compagnie Interîles on the Saint-Sauveur modernization project highlights the company's commitment to delivering advanced marine propulsion solutions that enhance vessel performance and environmental sustainability. The main challenge was to upgrade the propulsion system of the Saint-Sauveur to meet strict environmental regulations while improving operational efficiency. This required the integration of engines that offered high performance, reliability, and compliance with current emission standards. Additionally, the project aimed to reduce the vessel's length to improve manoeuvrability and efficiency. The initiative involved equipping the passenger vessel with two Baudouin 6M26.3 marine propulsion engines, each delivering 515 kW (700 hp) at 1800 rpm, compliant with IMO II and EPA Tier 3 emission standards.

Baudouin supplied two 6M26.3 marine propulsion engines, renowned for their advanced common rail technology and high-performance injection systems operating at 2200 bar. These features ensure efficient fuel consumption and compliance with strict emission regulations. The engine design includes individual cylinder heads for easier maintenance and highly reliable key components that ensure long-term durability. Additionally, the engines offer extended mean time between overhauls, contributing to a more cost-effective lifecycle.

The refit was carried out at Sea Pole La Rochelle, with specialized subcontractors managing various aspects of the project. EMS, our Master Dealer in France, oversaw the integration of the two Baudouin 6M26.3 engines, which were connected to hydraulic pumps. EMS handled the coupling of HYDRO ARMOR hydraulic pumps to both the port and starboard engines, conducted load-bearing studies and sizing of the mounts, and designed and dimensioned a forward cradle to support the bow thruster hydraulic pump.

The integration of Baudouin's 6M26.3 engines significantly enhanced the operational performance and environmental compliance of the Saint-Sauveur. The vessel now benefits from improved energy efficiency, with a 40% reduction in fuel consumption and nearly 50% lower CO₂ emissions. The shortening of the vessel also contributed to improved manoeuvrability and operational efficiency. This modernization underscores Baudouin's expertise in delivering propulsion solutions that meet the evolving demands of the maritime industry, reinforcing its position as a leader in sustainable marine engineering.

Baudouin marine propulsion engines are globally recognized for their quality, durability, and reliability. Engineered specifically for marine applications, they ensure optimal performance and are designed for easy and cost-efficient maintenance. Baudouin's commitment to environmental responsibility is reflected in its compliance with the latest maritime and inland navigation standards, including IMO III and EPA Tier IV regulations. This ensures that operators not only meet current requirements but are also well-prepared for future regulatory changes. Furthermore, Baudouin's extensive global service network provides operators with confidence in the long-term performance and sustainability of their propulsion systems.

