

## **Wilson Sons advances in sustainability initiatives and invests in new technologies to reduce greenhouse gas emissions**

*New tugboats, which will start operating in 2022, will be equipped with a pioneering solution that reduces nitrogen oxide emission levels by more than 75%.*

Wilson Sons, the largest operator of port and maritime logistics in the Brazilian market, has been developing a series of actions to reduce the environmental impact of its operations over the past decade, contributing to the global effort for climate balance. The most recent is the incorporation of the IMO TIER III standard, which reduces by more than 75% the emission levels of nitrogen oxides in the company's four tugboats that are being built at the Group's shipyard in Guarujá. The expected investment in the solution will be 250 thousand euros (about 1.5 million reais) per vessel.

"Nitrogen oxide is a greenhouse gas, which can be 300 times more polluting than carbon dioxide itself. Tier III is a great differential of this project and shows how much we are in the vanguard of the Brazilian naval industry", says Rodrigo Bastos, director of operations of the Tugboat unit.

The first tugboat built with this standard should start operating in February of next year and the second one in August. The project is developed by Damen Shipyards, a Wilson Sons' partner for more than 25 years, and the vessels will have 80 tons of static traction (TBP), 25 meters long and 13 meters wide, with Escort Tug class notation.

With this technology, the new tugboats will comply with the requirements of some regions of the North American and European markets, determined by the International Maritime Organization (IMO) as emission control areas. "The IMO, of which Brazil is a signatory, has been advancing the strategy to reduce greenhouse gas emissions in the maritime sector. Wilson Sons is being a pioneer in Brazil in meeting the requirements of Tier III standard, since it is not a requirement for the national territory, anticipating an eventual regulation in the country," explains Bastos.

In these projects, Wilson Sons will also use another pioneer technology in the market, the "twin fin", a set of fins that increases the drag capacity during maneuvers, and improves the performance of the tug. With this, for the same traction, less power is demanded and, consequently, there is a reduction in fuel consumption and emissions. Another ally in the protection of the environment is the Operations Center (COR), which monitors the displacement of the tugboats, defining the best moment for the movement, controlling the speed and fuel consumption, with the objective of ensuring greater efficiency, avoiding waste and, consequently, reducing gas emissions. Recently, the Company also became a member of the Carbon Disclosure Project (CDP) and obtained a result higher than the average of companies in the Latin American maritime support sector.

"Wilson Sons already had a strong agenda related to the environment and has always acted to avoid the excessive use of fuels, besides participating in actions such as the Clean Beach Project and projects like the Artificial Wreck Park of Pernambuco. What is happening now is a more solid planning, with a focus on the short, medium, and long term," comments the director.