



Case Study

» **TRINIDAD & TOBAGO  
PILOTS ASSN.**

## **PILOTS SHINE WITH HIGH PERFORMING ENGINES REPOWERS & 3 YEAR PAYBACK**



### **OVERVIEW**

The Trinidad & Tobago Pilots Association is committed to the provision of the highest quality Marine Pilotage services within the territorial waters of the Republic of Trinidad & Tobago. Based in the Port of Spain, they also provide technical support to the local and regional maritime industry, while promoting exacting standards of maritime competence, safety, and protection of the marine environment.



### **CHALLENGE**

Boats ordered back in the early 2000's were quickly approaching the time for another engine repower. Their track record of engines performing well in the warm tropical waters was not highly successful. The original 9L engines, from a different manufacturer, were frequently out-of-action as they required a lot of maintenance and replacement parts. A repower with another 9L engine manufacturer provided a better duty cycle, but lost speed with a 103 hp reduction, and continued some maintenance and parts issues arising from warm tropical waters.

John-Paul Pantin, Pilot Master, and Joel Isava, Head of Engineering, began exploring online for new options for a 9L engine to meet their needs, and asked for referrals from fishing fleet colleagues. He discovered FPT Industrial and studied the marine engine portfolio. John-Paul spoke to Mike Blocher, from North River Boats and to FPT's distributor salespeople, to garner their advice about using FPT engines in the next repower project.

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*Our tropical climate is a challenge and most engines don't do well in the heat here, but we are not having any problems with FPT engines. Plus, we're saving at least 50% on maintenance costs after repowering with FPT engines.*”

JOHN-PAUL PANTIN | Pilot Master, Trinidad & Tobago Pilots Assn.

## SOLUTION

All their research on FPT's marine engines revealed Cursor 9 engines would fit their needs exactly. The engine footprint and weight are identical to their original engines, making the repower easy to install. The Cursor 9 provides the higher hp and speed that they need for maximum performance. And an FPT distributor, MSHS, was nearby in Fort Lauderdale to provide service.

FPT Industrial's Cursor 90 550 marine engines provides the Trinidad and Tobago Pilots Association:

- » Compact and cost-effective design ideal for repowers
- » Best-in-class power and torque with low fuel consumption
- » EPA Tier 3 and IMO2 certified Commercial B1
- » High performance and short load response time
- » Maximizes uptime with up to 600 hours service interval



### FPT Industrial's C90 550 HP Engines

331 - 456 kW

<b>Type</b>	Commercial B1 Rating Diesel 4 Stroke
<b>Maximum Power</b>	550 HP (404) @ 2530 rpm
<b>Configuration</b>	Inline 6 Cylinder - 4 valves/cylinder
<b>Fuel System</b>	Electronic Common Rail
<b>Cooling</b>	Heat Exchange
<b>Air Handling</b>	Turbocharged Air Cooled
<b>Displacement</b>	8.7 L
<b>Temperature Regulation</b>	72-80C
<b>Emissions Level</b>	EPA Tier 3
<b>Weight Dry/Wet</b>	2,072 lbs./2,200 lbs.



## RESULTS

The Pilots' Association is extremely pleased with FPT engines performance. In the 3-4 years since the first FPT engine repower, they have not suffered the maintenance and parts replacements issues that they had with earlier engines. The Cursor 9's robust and high performance – over 3,000 hours -- in the warm tropical waters has saved them at least 50% in maintenance fees. In fact, after 3 years, the FPT engines have actually paid for themselves.

As John-Paul Pantin explained, "Our tropical climate is a challenge and most European and American built engines don't do well in the heat here, but we are not having any problems with FPT engines.

Plus, we're saving 50% on maintenance costs after repowering with FPT engines."

The Pilots' Association highly recommend FPT engines and intend on using them across their fleet. Over half a dozen repowers are complete so far, with a total of 12 planned in the next few years. As with all marine installations, service and parts are vital. Bridge Control Services operates the pilot boats on their behalf, and provides excellent maintenance and engineering services. In addition, FPT's customer service 27/27/2365 help desk is only a call away.

Find a local dealer and learn more at [fptindustrial.com](http://fptindustrial.com).

## WHO WE ARE:

FPT Industrial is a brand of Iveco Group (IVG: MI), dedicated to the design, production, and sale of powertrains and solutions for marine and power generation applications, as well as on- and off-road vehicles. Over 8,000 people across ten production sites and eleven R&D centers work for FPT Industrial all around the world. For more information, visit [www.fptindustrial.com](http://www.fptindustrial.com).

