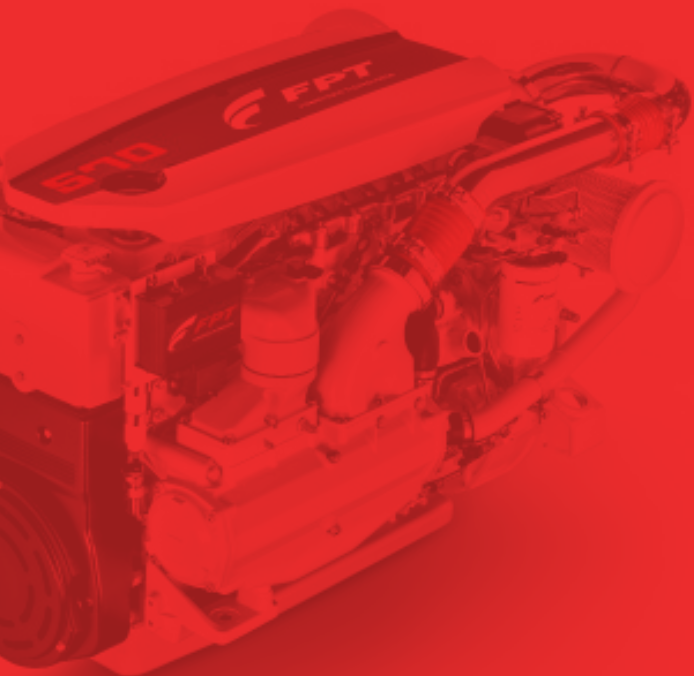




Case Study

» **HALCYON DIVING:
FREQUENT FLYER**

**FREQUENT FLYER
SUCCESS EPITOMIZES
BENEFITS OF FPT
ENGINES FOR FISHING
VESSELS**



“ *I went with FPT because of their reputation in the Bristol Bay area of Alaska, where they came highly recommended by several jet boat captains...engines that are battle-proven in other fast-paced, intense, and competitive fisheries like ours.* ”

BLAKE HERR | Owner, Frequent Flyer



OVERVIEW

Operating out of Poulsbo port, Washington, the Frequent Flyer, a 36x13ft twin-jet dive-harvest vessel works across Alaska and Washington State. It dives year-round, harvesting sea cucumbers, geoducks, and sea urchins. The vessel often operates in high current conditions, sometimes with multiple divers in the water simultaneously.



“Reliability is the number one priority when it comes to powering the Frequent Flyer,” he says. “We often use a technique called ‘live boating’, which means the vessel is not anchored in place while divers are in the water. The divers are attached via a 300ft long airline called an umbilical that supplies breathing gas and communications. We need responsive power and agile maneuverability, as we are often close to reefs and rocks. All systems on the Frequent Flyer take on the role of life support at some point in time, and the engines are no exception.”

CHALLENGE

To help guarantee the reliable power that the Frequent Flyer requires for both safety and speed, two years ago Herr made the decision to repower the boat with twin FPT N67 530Mhp engines. The Frequent Flyer needs lots of power to handle up to 8000 lbs. Furthermore, the boat’s customers are mainly live seafood markets, which makes it paramount to deliver the fresh catch as fast as possible.

SOLUTION

"This was a major upgrade in all categories from our previous engines," he states. "I went with FPT because of their reputation in the Bristol Bay area of Alaska, where they came highly recommended by several jet boat captains. It's good to look for engines that are battle-proven in other fast-paced, intense, and competitive fisheries like ours.

FPT N67 EVO engines also came highly recommended by NTG Fabrication in Bellingham, the boat shop that repowered the Frequent Flyer.

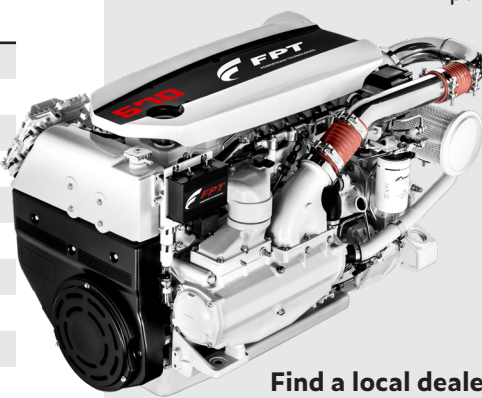
The twin N67 EVO engines acquired for use on the Frequent Flyer carry a best-in-class commercial rating of 530Mhp at 3000 rpm (1164ft/lbs at 2000 rpm) and includes:

- » High performance and short load response time
- » Dual circuit keel colling for fast planning commercial vessels
- » Compact and cost-effective design ideal for repowers
- » High power density (with minimum fuel consumption)
- » Significantly quieter operation with low noise and vibration
- » Maximum uptime with service intervals of up to 600 hours

FPT N67 530 EVO Engines

353 - 404 kW (480-550 Mhp)

Type	Diesel 4 Stroke
Configuration	Inline 6 Cylinder
Fuel System	Electronic Common Rail
Air Handling	Turbocharged Air Cooled
Displacement	6.7 L
Valves per Cylinder	4
Temperature Regulation	72-80C
Compression Ratio	15.9 : 1
Emissions Level	EPA Tier 3
Weight Dry	1610 lbs



RESULTS

"So far my experience has been great; the FPT engines have completely transformed my boat and my operation," says Herr. "For instance, I can now put four times the weight up on step as I have a lot more power and burn less fuel."

But the benefits do not end there. According to Herr, the compact size of the FPT engines provides the Frequent Flyer with extra space in the engine room. The engines run a lot more smoothly, vibrating less and producing lower noise emissions than the vessel's previous power plant. He also says the throttles are very responsive, which is a safety-critical feature when performing 'live boating' or maneuvering close to rocks.

"The number one thing I look for is customer service, hands down... it's extremely helpful to have a representative of the manufacturer available to help troubleshoot the issue or send parts as fast as possible so we can get back on the water."

MSHS, an FPT distributor partner for the marine industry since 2005, supplied the engines to NTG Fabrication. This proven partnership ensures customers have direct access to FPT products, factory-trained engineers, and customer service and support from MSHS as well as FPT's coast-to-coast dealer network and 24/7 care and assistance.

This is music to the ears of Herr, who has dedicated his life to dive fishing and loves nothing more than being out on the water.

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

