CUMMINS POWER MEETS MASSIVE ELECTRIC GENERATION DEMAND OF NEW FREEZER TRAWLER

WHERE:
Newfoundland, Canada

SUPPLY:
Cummins
QSK60 generator
Cummins
QSK19 generator

PURPOSE:
To power a new 74-metre factory freezer trawler in the challenging conditions of the cold and stormy Arctic waters
Modern fishing vessels rely on electrical power for systems ranging from deck equipment to processing and stowage. When Ocean Choice International of St. Johns, Newfoundland, Canada commissioned Norwegian firm Skipsteknisk to design a 74-metre factory freezer trawler, a pair of powerful and reliable Cummins QSK diesel engines were specified to power the ship’s electric generators. IMO Tier III-certified Cummins power was a natural choice for Skipsteknisk, given its reputation for designing vessels that utilise the most up-to-date technology.

The trawler, built at Tersan Shipyard in Turkey, has extensive electrical needs, including accommodations for a 39-person crew, electric trawl winches and the processing factory that includes a large freezer with significant electric power draw. Of course, any failure of power-generation capacity will result in production down-time and risk the viability of the catch on board. Skipsteknisk engineered two generator stations – one Cummins QSK60-powered generator has an output of 2155 kVA/1724 kWe (3 x 440 vac, 3-phase, 60 Hz). A second station is Cummins QSK19-powered, with an output of 700 kVA/560 kWe (3 x 440 vac, 3-phase, 60 Hz).

Cummins QSK engines are designed to face the challenging conditions commercial marine operators often face, and the reality that reliability needs to be an absolute priority when working far offshore in cold, Arctic waters. These robust engines feature a Modular Common Rail Fuel System for quiet operation, idle stability and improved low-end torque. Cummins turbochargers are optimised for marine applications, with low-temperature after-cooling for efficient operation. The 24v Quantum System electronics feature a proven ECM to monitor operating parameters, while providing diagnostics, prognostics and complete engine protection. A comprehensive one-year warranty is backed by a Cummins global service network comprised of 8,000 dealer locations in more than 190 countries. Learn more about how Cummins is ‘Powering a World That's Always On’ at cummins.com.

“The broad suite of technology and energy efficiency investments in this vessel will contribute to the introduction of one of the most modern and efficient fishing vessels in the Canadian fleet.”

Blaine Sullivan, President of Ocean Choice