

PACIFIC LEGACY

Pacific Legacy is a fishing vessel with a plate freezer on board. The refrigeration plant needed an overhaul and the previous screw compressors which came off age needed replacement. The main components like oil separation and cooling were verified and found capable to match a higher refrigeration capacity which was desired.

The scheduled stop-over of the fishing vessel in Norway was utilised to disassemble the former compressors and to replace them by 2 new SRM16L which were flown in on time to keep the down-time low.

By perfect coordination between all suppliers and the contractor the overhauling was done within two weeks and now the ship is in operation again to earn her owners a living catching fish.



MAIN FEATURES:

- Newest 5/7-i-profile for highest efficiency and lowest demand of oil for sealing and lubrication.
- Increased lifetime of bearings by specially designed oil floating channel for the ball bearings
- Extra packages of roller bearings to do away with balancing pistons to counter the axial forces avoids another potential cause for failure
- Speed control of up to 6000 rpm (for the smaller models) adapts closely to the capacity profile needed.
- Vi-Regulation for optimal adjustment to temperature zones
- single- and two-stage compressors



2 x SRM16L open-drive compressors with a displacement of 652m³/h are ensuring the plate freezers are pulling down the produce to a core temperature of -25 C within 2 hours and 45 minutes.

PROJECT DESCRIPTION

Compressor Package

Plate Freezer

SRMTec : 2 x SRM16L

Refrigerant: Ammonia R717

Technical Data, Total

Capacity Q: max. 2 x 160 kW

Te: -38°

Tc: +30°

Energy consumption: 2 x 95 kW

COP_{total}: 1,76

Commissioning: March 2019

SRMTec offers a range of refrigeration technology equipment focused on natural refrigerants like NH₃, CO₂ and Hydrocarbons like Propane, Isobutane etc. for all kind of applications in every aspect of modern life. The compressors are the development of Svenska Rotor Maskiner, the pioneer of screw compressor engineering since 1908.

SRM EU is the Organization for European and American customer support and sales of industrial refrigeration solutions. We cooperate closely with our agents and distributors to be a reliable local partner for our customers.

Learn more at srmtecgrou.com/products/SRM16L

Contacts/Partners of SRMTec Europe www.srmtecgrou.com

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