



Work Samples

Chemul

5 Wärtsilä, NOHAB F30 - 16 Cylinder

Service work performed at Woodside Industries, NS and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to remove all major engine components and crankshafts on all 5 main engines. The project required CORES to send servicemen, tools and equipment into Woodside Industries in Dartmouth, NS. CORES disassembled all major engine components from all 5 main diesel generators leaving the engine blocks in place. All parts and major components were removed from the oil support rig and transported to the CORES plant to be reconditioned. Examples of these major components included 80 cylinder heads, 80 liners and pistons, the complete fuel system and all engine driven pumps. In addition, the engine raft was found to be misaligned and CORES designed and manufactured steel chaulks to bring all 5 rafts back into alignment. Lastly, 1 crankshaft was replaced with a new crankshaft in-situ. Upon completion, CORES had the engines professionally painted to meet the customer's specifications and all engines were sea trialed.



CCGS Edward Cornwallis

1 ALCO 251 - 16 Cylinder

Service work performed in Dartmouth, NS and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to remove the crankshaft, install a new crankshaft and rotate the engine block 180 degrees from 1 of the 3 main engines to accommodate for inspection. The project required CORES to send servicemen, tools and equipment to the Dockyard in Dartmouth. CORES disassembled the engine, removed the crankshaft, rotated the engine block 180 degrees and installed a new crankshaft. All parts and major components were reconditioned, the engine was reassembled to manufacturer's specifications and sea trialed. CORES also designed and built an engine rotator that was tested and approved by a third party engineering firm. The rotator allowed the project to be completed with no grinding, burning or welding in the engine room.



Stadt Hannover

1 MAN B&W - 8L 32/40

Service work performed in Freeport, Grand Bahamas

Cores Worldwide Inc. was contracted to complete a crankshaft removal and replacement on the main engine. The project required CORES to fly servicemen, tools and equipment into Freeport in the Grand Bahamas. CORES disassembled the main engine and had the complete engine removed from the ship. To facilitate the removal, a large access panel was cut on the top of the vessel to lift the engine through. The crankshaft was replaced and all parts and major components were reconditioned on site. The engine was reassembled to manufacturer's specifications, lifted back into the vessel and sea trialed.



CCGS Sir William Alexander

1 ALCO 251 - 16 Cylinder

Service work performed in Dartmouth, NS and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to remove the crankshaft and rotate the engine block 180 degrees for 1 of the 3 main engines to accommodate for align boring. The project required CORES to send servicemen, tools and equipment into Dartmouth. CORES disassembled the engine, removed the crankshaft, rotated the engine block 180 degrees and had the block align bored. All parts and major components were reconditioned, the engine was reassembled to manufacturer's specifications and sea trialed. CORES also designed and built an engine rotator that was tested and approved by a third party engineering firm. The rotator allowed the project to be completed with no grinding, burning or welding in the engine room.



MV Quest

2 Fairbanks Morse Opposed Piston - 10 Cylinder 38d8 1/8

2 Detroit Diesel - 8V92

Service work performed in the Dockyard in Halifax, NS and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to complete major overhauls on both of the main engines, rebuild both ship's service generator engines, remove both main engine blowers and remove the upper and lower crankshafts from the port main engine. The job required CORES to send servicemen, tools and equipment to the Dockyard in Halifax. CORES disassembled both main engines, disassembled both ship's service generator engines, disassembled both blowers and had all parts and major components sent to the CORES plant. All parts and components were reconditioned or replaced. The main engines, ship's service generator engines and blowers were reassembled to manufacturer's specifications, installed on the vessel and sea trialed.



Firebird

4 Caterpillar - D343

2 Caterpillar - 3304

Service work performed in the Dockyard in Halifax, NS and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to remove both main engines and clutches, both ship's service generators and both ship fire pump engines. The project required CORES to send servicemen, tools and equipment to the Halifax Dockyard. CORES disassembled and removed both main engines, both ship's service generators and both fire pump engines and had all parts and major components sent to the CORES plant. All parts and components were reconditioned, the main engines, ship's service generators and fire pump engines were reassembled to manufacturer's specifications and sea trialed.



CCGS Des Groseilliers

1 ALCO 251 - 16 Cylinder

Service work performed in Quebec City, Quebec

Cores Worldwide Inc. was contracted to remove the crankshaft, rotate the engine block 180 degrees for 1 of the 5 main engines to accommodate for align boring and install a new crankshaft. The project required CORES to send servicemen, tools and equipment to Quebec City. CORES disassembled the engine, removed the crankshaft, rotated the engine block 180 degrees, had the block align bored and installed a new crankshaft. CORES also designed and built an engine rotator that was tested and approved by a third party engineering firm. The rotator allowed the project to be completed with no grinding, burning or welding in the engine room.



Ocean Foxtrot

2 Deutz - SBV12M628

Service Work performed in Quebec City, Quebec and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to complete major overhauls on the 2 main engines. The project required CORES to send servicemen, tools and equipment to Quebec City. CORES disassembled both main engines and all parts and major components were removed from the vessel and transported to the CORES plant to be reconditioned. The engines were reassembled to manufacturer's specifications and sea trialed.



Glenside/Glenbrook/Glenevis

2 Ruston - 6AP3

2 Detroit Diesel Inline 6-71 & Voith Turbo Coupling

Service work performed in the Dockyard in Halifax, NS and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to remove all major engine components on both main engines, rebuild both ship's service generators and engines and remove both turbo couplings. The project required CORES to send servicemen, tools and equipment to the Dockyard in Halifax. CORES disassembled both main engines, leaving the engine block and crankshaft in place, disassembled both ship's service generators and disassembled both turbo couplings. All parts and major components were sent to the CORES plant. All parts and components were reconditioned, the engines, ship's service generators and couplings were reassembled to manufacturer's specifications and sea trialed.



CCGS Louis St. Laurent

1 MAK 453 - 16 Cylinder

Service work performed at the Coast Guard Base in Dartmouth, NS

Cores Worldwide Inc. was contracted to perform a major overhaul on 1 of the 5 main engines. The project required CORES to send servicemen, tools and equipment to the Coast Guard Base in Dartmouth. CORES removed the crankshaft and bedplate and installed a new crankshaft and bedplate. To facilitate the removal of the engine, a large access panel was cut into the side of the vessel to lift engine components through. The engine was reassembled to manufacturer's specifications.



Strait Eagle

2 MTU - 12 Cylinder Series 2000 Detroit Diesel

Service work performed in Port Hawkesbury, NS and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to remove both main engines. The project required CORES to send servicemen, tools and equipment to Port Hawkesbury, NS. CORES disassembled both engines, removed all major engine components and transported them to the CORES plant. All parts and major components were reconditioned and the engines were reassembled. The engines were transported back to the vessel and sea trialed.



Polar Prince

1 Fairbanks Morse Opposed Piston – 8 Cylinder 38d8 1/8

Service work performed in St John's, Newfoundland and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to complete major overhauls on 2 of the 4 main engines, major overhauls to all 4 front ends of the main engines and to complete major overhauls to all 4 blowers on the main engines. The job required CORES to fly servicemen, tools and equipment into St John's, Newfoundland. CORES disassembled 2 of the 4 main engines, all 4 front ends and all 4 blowers and had all the parts and major components sent to the CORES plant. All parts and components were reconditioned, the engines, front-ends and blowers were reassembled to manufacturer's specifications and sea trialed.



Maritime Electric Power Station

2 Dorman 12 QBTCA Generators

Service work performed in Charlottetown, PEI and at the CORES plant in Belnan, NS

Cores Worldwide Inc. was contracted to complete major overhauls on both power plant generator engines. The project required CORES to send servicemen, tools and equipment to Charlottetown, PEI. CORES disassembled both generator engines and had all parts and major components removed from the power station and transported to the CORES plant. All parts and major components were reconditioned, the generator engines were reassembled to manufacturer's specifications and tested.

MAN Diesel

D2866 - D2842 - 16/24 - 23/30 - 28/32 - 52/55 - 58/64 - 6L90GB

Service work performed in Canada, USA & South America

Cores Worldwide Inc. has been contracted to carry out multiple top-end and lower-end overhauls on the 58/64 MAN engine model. These rebuilds have been done in different areas of the world such as: Canada, The United States & South America. CORES has also done major overhauls on the other MAN engine models listed. These major overhauls include crankshaft replacements, block replacements and major component reconditioning. CORES has had to recondition all parts on site or at their plant in Belnan and order replacement parts when necessary. All of these projects have been done to manufacturers specifications.



Detroit Diesel

All 53 - 71 - 92 - 149 Engine Models

Service work performed in Canada & USA

Cores Worldwide Inc. has been contracted to perform multiple overhauls on the above Detroit Diesel engine models. These rebuilds have been done in Canada and The United States. Each rebuild has been unique and CORES has had to recondition all parts on site or at their plant in Belnan and order replacement parts when necessary. All these rebuilds have been done to manufacturer's specifications.

Caterpillar Marine & Industrial

3300 series - 3400 series - 379 - 398 - 399 and other models

Service work performed in Canada & USA

Cores Worldwide Inc. has been contracted to perform multiple overhauls on the above Caterpillar engine models. These rebuilds have been done in Canada and The United States. Each rebuild has been unique and CORES has had to recondition all parts on site or at their plant in Belnan and order replacement parts when necessary. All these rebuilds have been done to manufacturer's specifications.

Cummins

5.9 - 8.3 - 855 - KTA19 - KTA50 - KTA1150 - KTA1710 - KTA2300s

Service work performed in Canada & USA

Cores Worldwide Inc. has been contracted to perform multiple overhauls on the above Cummins engine models. These rebuilds have been done in Canada and The United States. Each rebuild has been unique and CORES has had to recondition all parts on site or at their plant in Belnan and order replacement parts when necessary. All these rebuilds have been done to manufacturer's specifications.