



North Sea Trawler Receives Quick Turnaround Turbocharger retrofit takes just five weeks from enquiry to execution

Copenhagen,
08/12/2016

MAN Diesel & Turbo recently completed a noteworthy job, carrying out a turbocharger retrofit with just five weeks from first enquiry to turbocharger commissioning.

MAN Diesel & Turbo SE
Teglhølmegade 41
DK-2450 Copenhagen SV
DENMARK
www.mandieselturbo.com

The vessel in question, Faeroese trawler, 'Sjurdaberg', was constructed in 1985 and has successfully operated in the North Sea for over 30 years. Equipped with a 1984-built MAN 9L28/32A Alpha engine and NA34/K turbocharger, the trawler has accumulated more than 115,000 operating hours in one of the world's major fishing grounds.

Marketing & Documentation
Further information:
Peter Dan Petersen
Tel.: +45 33 85 14 70
peterd.petersen@man.eu

Gottfried Eberle, Head of Turbocharger Retrofit – MAN Diesel & Turbo – said: "During the retrofit, we replaced the original axial MAN NA34/K unit that had served so well with a modern, radial MAN TCR20 turbocharger. The main advantages of the new turbocharger are its small size and efficiency, and its short reaction time in the event of load changes. The Sjurdaberg has really gotten a new lease of life!"

Graphics and images:
Mia Toft Sørensen
Tel.: +45 33 85 15 90
mia.soerensen@man.eu

Background

Fishing trawlers rely on especially powerful engines and turbochargers, which are a prerequisite for competing in the highly competitive, global fishing industry.

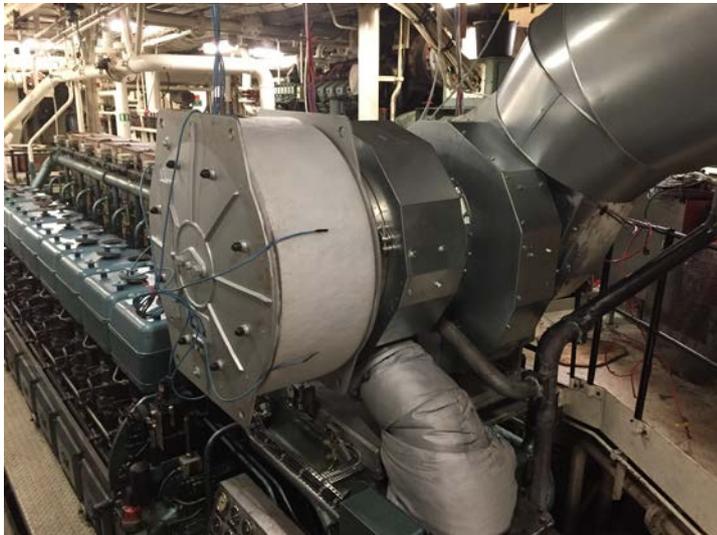
On the occasion of a large-scale overhaul of the Sjurdaberg's engine, it transpired that a turbocharger retrofit would be a convincing, long-term solution for this particular vessel.

The work was carried out in Denmark by MAN Diesel & Turbo, Frederikshavn, in close cooperation with Turbocharger Retrofit in Augsburg, who report that the modification from axial to radial was particularly challenging due to the necessary adaptations of the fundament and installation of new intermediate pieces and pipes. Additionally, the exhaust-gas pipe had to be fitted to the new turbocharger.

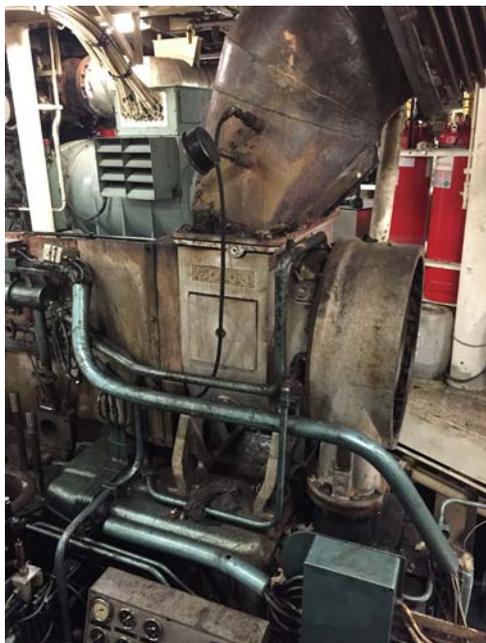
All of the assembly pieces were manufactured on-site in Frederikshavn in a very short time with the retrofit itself realised in a mere 10 days.



The bollard-pull test, during which the vessel is moored to the pier and operated on full load which is simultaneously measured, delivered convincing results. The trawler owner was highly satisfied with the retrofit and the subsequent benefits from increased performance and reliability, high spare-parts availability, containment safety and reduced maintenance costs.



Alternate views of the newly retrofitted radial MAN TCR20 turbocharger



The Sjurdaberg's original NA34/K turbocharger



The Sjurdaberg pictured at berth in Frederikshavn, Denmark during its overhaul

Press Release

MAN Diesel & Turbo



Press Release

Page 4 / 4

About MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel and gas engines and turbomachinery. The company employs around 15,000 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, India and China. The company's product portfolio includes two-stroke and four-stroke engines for marine and stationary applications, turbochargers and propellers as well as gas and steam turbines, compressors and chemical reactors. The range of services and supplies is rounded off by complete solutions like ship propulsion systems, engine-based power plants and turbomachinery trains for the oil & gas as well as the process industries. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand.

Ref.: 6510-0435