



MAN 32/44CR Receives US EPA Certification

Common-rail unit declared ready for US Market

Copenhagen,
18/09/2015

MAN Diesel & Turbo has announced that the MAN 32/44 Common Rail engine family (rated power: 3,600 – 12,000 kW) has received US EPA Certification, a requirement for all engines installed aboard US-flagged vessels.

Chuck Griffith, Sales Manager, MAN Diesel & Turbo, North America, said: “This certification is a significant step in our four-stroke, marine-engine strategy for the US market. The engine family has been certified US EPA Tier 2 for Category 3 engines and builds the foundation for us to introduce our US EPA Tier 3 for Category 3 product in 2016. This will allow US customers to benefit from the high power output and low fuel-consumption of our medium-speed, common-rail engines.”

US EPA Tier 3 is currently the final emissions tier for Category 3 (≥ 30 L/cyl displacement) engines, and is similar to US EPA Tier 4 for Category 1 and 2 (< 30 L/cyl displacement) engines.

The US EPA certification process was initiated in response to demand from the American fishing industry. MDT has already received several orders within the United States for the engine, including that for an MAN 8L32/44CR engine to power a newbuilding trawler for Fishermen’s Finest, the U.S. fishing company. This order was significant in that it represented a breakthrough for the CR engine in the important, US domestic-fishing segment.

MAN’s CR engines are marked by their excellent fuel efficiency and low operating costs. Since being introduced in Europe eight years ago, the engines have consistently proven their reliability and durability within the fishing industry.

32/44CR characteristics

MAN Diesel & Turbo’s common-rail engines are among the most technologically advanced in its portfolio with a segment-leading SFOC that significantly lowers emissions of soot and NO_x over its complete operating range. The company’s CR engines have already established a solid presence in several marine segments globally.

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Press Release

MAN Diesel & Turbo

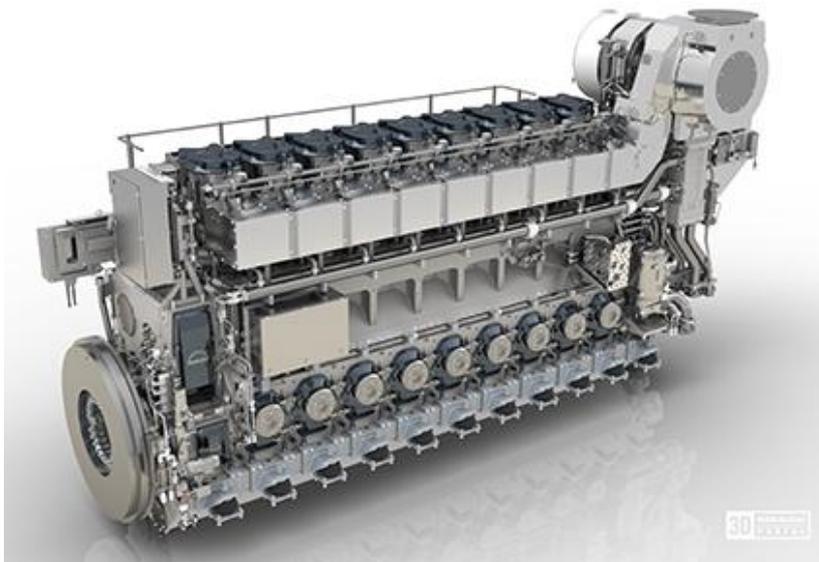


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Specifically, the MAN 32/44CR is characterised by:

- common-rail technology featuring optimised NO_x vs. SFOC trade-off at every load point, independent of rpm
- a high power output: 600 kW/cyl for diesel-electric set-ups and CPPs; 510 kW/cyl for FPPs and dredgers
- low fuel-consumption of 172.4 g/kw-hr for diesel-electric and CPP set-ups, and the use of high-efficiency turbochargers.

MAN 32/44CR engines are suitable for a variety of applications including fishing, ATBs (Articulated Tug Barges), anchor handlers, offshore construction vessels, dredgers and drill ships.



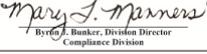
MAN Diesel & Turbo library photo of the MAN 32/44CR engine

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		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2015 MODEL YEAR CERTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT		OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105	
Certificate Issued To: MAN Diesel & Turbo SE (U.S. Manufacturer or Importer) Certificate Number: FMDTN35.432V-001		Effective Date: 08/27/2015 Expiration Date: 12/31/2015	 Mary J. Marnera Byron J. Bunker, Division Director Compliance Division		Issue Date: 08/27/2015 Revision Date: N/A
Model Year: 2015 Manufacturer Type: Original Engine Manufacturer Engine Family: FMDTN35.432V		Mobile/Stationary Indicator: Mobile Limited Application: Constant Speed Engines, Engines Used with Controllable Pitch Propellers Intended Service: Propulsion Aftertreatment Device Indicator: No Intended Service Fuel: Diesel, Residual Fuel			
<p>Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547) and 40 CFR Part 1042, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following marine engines, by engine family, more fully described in the documentation required by 40 CFR Part 1042 and produced in the stated model year.</p> <p>This certificate of conformity covers only those new marine compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 1042 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 1042.</p> <p>It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR Part 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 1042. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void <i>ab initio</i> for other reasons specified in 40 CFR Part 1042.</p> <p>This certificate does not cover marine engines sold, offered for sale, introduced, or delivered for introduction into commerce in the U.S. prior to the effective date of the certificate.</p>					
		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY OFFICE OF TRANSPORTATION AND AIR QUALITY ENGINE INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE		OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105	
Certificate Issued To: MAN Diesel & Turbo SE (U.S. Manufacturer or Importer) Certificate Number: FMDTN35.432V-001		Effective Date: 08/27/2015 Expiration Date: 12/31/2015	 Mary J. Marnera Byron J. Bunker, Division Director Compliance Division		Issue Date: 08/27/2015 Revision Date: N/A
<p>This is to certify that the manufacturer of the above mentioned marine diesel engine has provided information to the U.S. Environmental Protection Agency that demonstrates:</p> <ol style="list-style-type: none"> 1. this engine has been tested in accordance with the requirements of the Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines, and, 2. this engine, its components, adjustable features, and Technical File, prior to the engine's installation and/or service on board a ship, fully comply with the applicable regulation 13 of Annex VI to MARPOL 73/78. <p>This certificate is valid for the life of the engine subject to surveys in accordance with regulation 5 of Annex VI to MARPOL 73/78, installed in ships under the authority of this Government.</p> <p>Issued at U.S. Environmental Protection Agency, Office of Transportation and Air Quality, Washington, DC</p>					

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The US EPA certification: (top) 2015 Model Year, Certificate of Conformity with the Clean Air Act; (bottom) Office of Transportation and Air Quality, Engine International Air Pollution Prevention Certificate

About MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel engines and turbomachinery. The company employs around 14,500 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.: 6510-0391