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11. Exhaust Gas System Wärtsilä 20 Product Guide 11.2 Exhaust gas outlet Engine TC in free end W 6L20 0°, 30°, 60°, 90° W 8L20 0°, 30°, 60°, 90° W 9L20 0°, 30°, 60°, 90° Fig 11-2 Exhaust pipe connections (DAAE066842) Engine ØA [mm]... Page 117: External Exhaust Gas System Wärtsilä 20 Product Guide 11.

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The specified gas is suitable for Wärtsilä Dual Fuel engine. Please contact Wärtsilä to confirm the gas quality suitability for a pure gas engine. The calculation tool is owned by Wärtsilä and is made for customer use and is for guidance only. Changes in the tool is reserved at any time.

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Wärtsilä 34DF. Advanced dual-fuel technology & efficiency, used for both main engine and generating set applications . The Wärtsilä 34DF is manufactured in configurations from 6L to 16V, giving 500 kW per cylinder and a total maximum mechanical output of 8000 kW.

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Engine[kW] kW BHP kW BHP W6L50DF 5850 5700 7750 5850 7950 W8L50DF 7800 7600 10340 7800 10600 W9L50DF 8775 8550 11630 8775 11930 W12V50DF 11700 11400 15500 11700 15910 W16V50DF 15600 15200 20670 15600 21210 ... 2.2.3.1 Gas mode Fig2-4 Maximuminstantloadstepsin%ofMCRingasmode Gas-Mode

Wär tsilä 50DF

The engine can be run on either natural gas, light fuel oil (LFO), or heavy fuel oil (HFO), and can smoothly switch between fuels whilst operating. It is designed to provide the same output regardless of the fuel. The Wärtsilä 50DF engine operates on the lean-burn principle. Lean combustion enables a high compression ratio, which in turn increases engine efficiency, reduces peak temperatures, and therefore also reduces NOx emissions.

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Wärtsilä 32. The Wärtsilä 32 was developed in response to a need in the market for a new engine in the 320 mm cylinder bore class and since 1998 more than 2500 of these engines have been sold to the marine market, in total more than 4500 Wärtsilä 32 bore engines have been delivered to the marine market since the 1980s.

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gas engine once again makes combustion engines an attractive alternative to gas turbines for large power plants. Design and development The Wärtsilä 505G is a four-stroke, spark-ignited gas engine that works according to the Otto principle and the lean-burn process. The engine runs at 500 or 514 rpm for 50 or 60 Hz applications,

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Combustion Air System Wärtsilä 32 Product Guide a flap for controlling the direction and amount of air. Also other combustion air consumers, for example other engines, gas turbines and boilers shall be served by dedicated combustion air ducts.

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on the cylinder head. Gas piping is of double wall design as standard. When running the engine in gas mode, the air / gas mixture is ignited with a small quantity of MDO pilot fuel, less than 1% of full-load fuel consumption. The amount of pilot fuel is optimised for best combustion by the embedded engine speed & load control and monitoring system.

DUAL-FUEL ENGINES - WÄRTSILÄ 20DF, 34DF, 46DF AND 50DF

1987 when the first gas-diesel engine was intro-duced. This technology was mainly dedicated to offshore applications, although it also could be used for power generation. In 1992 the development of the lean-burn spark-ignited gas engine has started and the first spark-ignited gas engine was released in [5, 6]. The en-

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Wärtsilä - Wikipedia

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