

Sulzer Rt Flex Engine

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Sulzer Rt Flex Engine

Sulzer RT Flex engines are essentially standard Sulzer RTA low-speed two stroke marine diesel engines except that, instead of the usual camshaft and its gear drive, fuel injection pumps, exhaust valve actuator pumps, reversing servomotors, and all their related mechanical control gear, they are equipped with a common rail system for fuel injection and exhaust valve actuation, and full electronic control of engine functions.

Sulzer RT Flex Marine Diesel Engine - Martin's Marine ...

The Wärtsilä RT-flex96C is a two-stroke turbocharged low-speed diesel engine designed by the Finnish manufacturer Wärtsilä. It is designed for large container ships that run on heavy fuel oil. Its largest 14-cylinder version is 13.5 metres high, 26.59 m long, weighs over 2,300 tons, and produces 80,080 kW. The engine is the largest reciprocating engine in the world. The 14-cylinder version first entered commercial service in September 2006 aboard the Emma Mærsk. The design is similar to ...

Wärtsilä-Sulzer RTA96-C - Wikipedia

Development of the Sulzer RT-flex system began in 1993, and it was applied to a full-scale research engine in 1998. The first series-built engine, a Sulzer 6RT-flex58T-B of 11,275 kW, entered service in September 2001. The system has since been extended to engines from 500 to 960 mm cylinder bore. Benefits of Sulzer RT-flex engines

Sulzer RT-flex low-speed engines - Marine Engineering

The Sulzer RT-flex concept brings common-rail fuel injection to the modern, large diesel engine. Current jerk-type fuel injection systems combine pressure generation, timing and metering in the injection pump with only limited flexibility to influence the variables.

Sulzer RT-flex engines benefits - Marine Engineering

Sulzer RT-flex engines are essentially standard Sulzer RTA low-speed two-stroke marine diesel engines except that, instead of the usual camshaft and its gear drive, fuel injection pumps, exhaust valve actuator pumps, reversing servomotors, and all their related mechanical control gear, they are equipped with a common-rail system for fuel injection and exhaust valve actuation, and full electronic control of engine functions.

The Sulzer RT-flex Common-Rail System Described

7,845 The Wärtsilä RT-flex96C is a two-stroke turbocharged low-speed diesel engine designed by the Finnish manufacturer Wärtsilä. It is designed for large container ships that run on heavy fuel oil. Its largest 14-cylinder version is 13.5 metres (44 ft) high, 26.59 m (87 ft) long, weighs over 2,300 tons, and produces 80,080 kW (107,390 hp).

World's Largest Diesel Engine- Emma Maersk's Wärtsilä ...

Both RTA and Rt flex are sulzer engine. Difference is that - RTA engines are camshaft engine with (gear drive, cylinder lubrication- load dependent electric motor drive, suction valve and spill valve type fuel pump, hydraulic operated exhaust valve, air distributor etc). Whereas RT FLEX engine are camshaftless engine.

What is the meaning of RTA and RT-Flex in marine engines ...

RTA and RT-flex low-speed engines Our optimising solutions extend engine lifecycles and improve your equipment's performance and operational efficiency. By bringing older installations up to today's technical standards, we enhance the performance, reliability, safety, availability and profitability of your asset.

RTA and RT-flex low-speed engines

the RT-flex96C engine introduced in 2003. At the same time, the decision was taken that the 13- and 14-cylinder engines would only be built in RT-flex form. The RT-flex common-rail technology had been introduced first in the RT-flex58T-B engine. Service results with this engine, which entered service in September 2001, were

WÄRTSILÄ RT-flex96C AND WÄRTSILÄ RTA96C TECHNOLOGY REVIEW

Enjoy the videos and music you love, upload original content, and share it all with friends, family, and the world on YouTube.

Wartsila RT flex - YouTube

Wartsila Service Bulletin RTA-79.1 / RT-flex-08.1. 08.01.2008 Technical Information to all Owners / Operators of RTA and RT-flex Engines Continuous Low Load Operation (Slow Steaming) Contents: 1. Introduction 2. Considerations 3. Recommendations 1 INTRODUCTION Engines are optimised for operation in the load range above approximately 60% CMCR.

Important Service Letters and Bulletins

It is not generally known that the first airless injection system (i.e. not to use compressed air to atomise the fuel) was a common rail system. The inventio...

fuel system in RT Flex marine main engine - YouTube

We offer OEM Spare Parts for Diesel Engines. Sulzer brand was founded by Salomon Sulzer-Bernet in 1775 and in 1834 established as Sulzer Brothers Ltd. (Gebrüder Sulzer). The headquarters was located in Winterthur, Switzerland. ... and the launch of the RT-flex common-rail system with the first RT-flex engine entering service in September 2001.

Diesel Engines OEM Spare Parts - BSS

Sulzer RT-flex: Concept and benefits The Sulzer RT-flex system is the result of a long project since the 1980s to develop Sulzer low-speed marine engines without the constraints imposed by mechanical drive of fuel injection pumps and valve actuation pumps but with far greater flexibility in engine setting to reach future requirements.

RT-flex60C - Wärtsilä Corporation - PDF Catalogs ...

Sulzer call theirs the RT Flex engine, and MAN B&W call theirs the ME intelligent engine. Both engines use electrical and engine driven axial piston pumps to pressurise servo oil rails to 200 bar which are then used for fuel injection and exhaust valve operation.

The Computer Controlled Electronic Engine

The first RT-flex engine entered service in September 2001. The world's largest Diesel engines are now the 14-cylinder RT-flex96C engines of 80,080 kW (108,920 bhp) of which the first entered service in September 2006. 2010's

WinGD - WinGD Engine History

We supply OEM spare parts and maintenance for Wärtsilä, Sulzer and WinGD branded 2-Stroke Engines.. We are specialists in engine systems, and will serve you whenever and wherever is needed with qualified professionals throughout the whole lifecycle of an engine.

Wärtsilä Services | 2-stroke Engine Services

SULZER ENGINES Unlike MAN B&W engines, Sulzer Designations do not have any technical meaning but simply kept as an easily recognised identifier for the Sulzer low-speed engines. The letter "R" in the RD, RND, RND..M, RLA, RLB, RTA and RT- flex engine types, goes back to the Sulzer RSD two-stroke, low-speed engine types introduced in the 1950's.

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