



## SMM, Hamburg 7 -10 September 2010

Universal Hydraulik GmbH is exhibiting for the first time and will display its products and special features for shipbuilding, or the offshore market. You will find us in **Hall A2, Stand A2.023**.

We would be delighted to have the opportunity to talk to you at our stand.



**We congratulate Ralf Uhl on his 70<sup>th</sup> birthday (17<sup>th</sup> March 2010) which also marked 50 years of his career in the hydraulics sector.**

Ralf Uhl acquired his first knowledge of hydraulics in the Customer Service department of Vickers in the spring of 1960. It was also in this school that he developed his understanding of service – that still characterises the customer relations of Universal Hydraulik today.

From 1970 to 1983 he was managing director at Racine Hydraulik. The Racine vane pump has stayed with him as a sales product to this day. In 1983 he founded the company Universal Hydraulik, which has now grown to an impressive size with 55 employees and a heat exchanger production in the Czech Republic.

He continues to take the company forward successfully together with his son, Michael Uhl.

### Current case study of 2010:

#### Maximum size of ECM cooler for shipbuilding

##### Type: ECFM-2460-F-CN

Standard hydraulic application

Oil: ISO VG 46

Oil volume: 2000 l/min.

Oil intake: 65°C

Water intake: 25°C

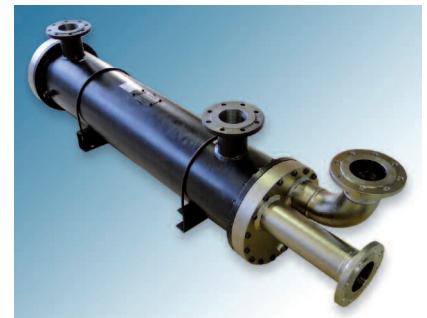
Cooling capacity: 1000 kW

Diameter: 324 mm

Length: 2.064 mm

(max. 2700 mm possible)

Materials: resistant to seawater



#### The EKM/SKM series is now also certified



Universal Hydraulik GmbH has expanded the EKM Series with larger jacket diameters (1200 series) and has Germanische Lloyd certification for all sizes. We are also able to produce heat exchangers according to DNV, BV etc.

#### Marine applications:

The following marine and offshore applications are just a few applications for which Universal Hydraulik GmbH supplies heat exchangers:

- Propeller drive, jet drives, transverse thrusters
- Gearboxes
- Compressors
- Deck applications, e.g. rope winches
- High-pressure applications for oil rigs
- Side stabilisers



#### Universal Hydraulik GmbH

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Reg.-Nr. 73 100 1298