



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**KRES-D Ltd
Kazanlak
Bulgaria**

*has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:*

ISO 9001:2000 EN ISO 9001:2000 BDS EN ISO 9001:2000

The Quality Management System is applicable to:

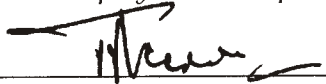
***Design, production and wholesale of hydraulic systems,
custom-made equipment and moulding tools .***

Approval
Certificate No: 368073

Original Approval: 23rd April 2002

Current Certificate: 23rd April 2002

Certificate Expiry: 30th April 2005


Issued by: LR Sofia



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Germanischer Lloyd

Certificate

Certificate No. **WF 0410221 HH**

This is to certify that Messrs.

Kres-D, Ltd.

**Petko Stainov Str. 13
Industrial Zone
6100 Kazanlak
Bulgaria**

has been granted on the base of the verification of the workshop's preconditions and of the proofs of qualification presented the

Approval for Welding

in accordance with the **Germanischer Lloyd Rules for Welding
(Rules for Classification and Construction,
II - Material and Welding Technology, Part 3 - Welding)**

The range of application, if applicable other regulations also considered, the responsible supervisor(s) as well as the period of validity are mentioned in the appendix to this certificate. Approved procedures are confirmed within the assigned supplements to the appendix.

Hamburg, 2004-11-30

Germanischer Lloyd


U. Pohle


D. Liebich

Concerning the period of validity or the extension of approval and the duty to notify GL if the preconditions change under which approval was granted, the statements given in the Rules for Welding are to be observed. Additional requirements, if any, in the covering letter are to be observed. The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable (see Chap. I - Ship Technology, Part 0 - Classification and Surveys), Germanischer Lloyd Aktiengesellschaft; Registered Office Hamburg, HR B 31393.



Certificate

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Appendix to Certificate
WF 0410221 HH dated 2004-11-30

Messrs. **Kres-D, Ltd.**
Petko Stainov Str. 13
Industrial Zone
6100 Kazanlak
Bulgaria

has been approved for the procedures as specified in the supplements for the following range of application:

Welding of Machinery Components

Range of Production/
Components: **Hydraulic Cylinders**
(Entry only in case of special
approvals)

Regulations also ---
considered:

Supervisor: **Mr. Dimitar Krachev**

Certificate No.: ---

issued:

issued by: ---

Deputy Supervisor: ---

Certificate No.: ---

issued:

issued by: ---

Part of the approval is our letter of approval ref. no. 132506-04/DLie of 2004-11-30.

Hamburg, 2004-11-30

Approval is valid until: **2007-11-29**

Germanischer Lloyd


U. Pohle


D. Liebich

Concerning the period of validity or the extension of approval and the duty to notify GL if the preconditions change under which approval was granted, the statements given in the Rules for Welding are to be observed. Additional requirements, if any, in the covering letter are to be observed. The respective latest edition of Germanischer Lloyd's Classification Rules is applicable. The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable (see Chap. I - Ship Technology, Part 0 - Classification and Surveys). Germanischer Lloyd Aktiengesellschaft, Registered Office Hamburg, HR B 31393.



Certificate

Germanischer Lloyd

Suppl.-No.: 01
to Certificate WF 0410221 HH

WPS-No.: K1D-04 of 2004-09-27

Messrs. **Kres-D, Ltd.**

has been approved on the basis of the welding procedure test supervised by Germanischer Lloyd and specified in a welding procedure specification (see WPS-No.), in accordance with the "Rules for Classification and Construction II, Material and Welding Technology, Part 3 - Welding" for the following welding procedure:

Semi-automatic metal-arc active gas welding of carbon steel

Welding Details

Process: 135 - Metal-arc active gas welding (GMAW)
Type of weld: Butt welds, welded from one side in multi-run technique with incomplete penetration
Welding equipment: Suited, in accordance with the instructions of the welding supervisor
Welding data: According to the relevant welding procedure specification of the welding supervisor.
Welding consumables: Wire-gas combinations tested and approved by Germanischer Lloyd with the relevant grades according to the base materials to be welded.

Edge preparation: Single U-groove, included angle 30° according to the welding procedure specification.

Weld build-up: Multilayer
Welding heat treatment: Without preheat.
Interpass temperature max. 250°C

Welders: Mr. Ivan Koev Ivanov as well as other welders recognized by Germanischer Lloyd with valid welder's test certificates in the respective test group.

Others: Belonging WPAR no.: 141 dated 2004-09-27.

Range of application

Base material(s): St 52.3, with max. yield stress of 360 N/mm² and other comparable steel grades with consent of Germanischer Lloyd.

Wall thickness(es) [mm]: 7,5 - 30,0

Pipe diameter [mm]: >= 105

Positions: PA

Heat treatment condition: ---

Design temperature: ---

Particularities, remarks: Metal-arc active gas welding with protection against wind and weather.

Parts of this approval are the a. m. certificate, the above mentioned WPS, if any, and our letter of approval with ref.-no. 132506-04/DLie of 2004-11-30.

Hamburg, 2004-11-30

Germanischer Lloyd

D. Liebich

Concerning the period of validity or the extension of approval and the duty to notify GL if the preconditions change under which approval was granted, the statements given in the Rules for Welding are to be observed. Additional requirements, if any, in the covering letter are to be observed. The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable (see Chap. I - Ship Technology, Part 0 - Classification and Surveys). Germanischer Lloyd Aktiengesellschaft; Registered Office Hamburg, HR B 31393.