



CERTIFICATE NUMBER

04-LD464641-PDA

DATE

15 November 2004

ABS TECHNICAL OFFICE

London Ship Engineering

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of

A4 Hydrauliek B.V.

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Hydraulic Cylinders

MODEL: ACD-40/20-750-R, ACD-40/22-900-R, ACD-40/25-1200-R, ACD-40/28-1500-R, ACD-40/30-1500-R,
ACD-50/35-1850-R, ACD-60/35-1550-R, ACD-80/40-1500-R, ACD-80/55-2850-R

ABS RULE: Rules for Building and Classing Steel Vessels 2004, 4-4-1& 4-6-7/3.5.5

OTHER STANDARD:

AMERICAN BUREAU OF SHIPPING

Jean-Claude G. Dennemont

Engineering Type Approval Co-ordinator