



AMERICAN BUREAU OF SHIPPING

Customer Name	Purchase Order No.	PO 842 - AR 16000132
Attending Office	Report Number	LY3084175
First Visit Date	Last Visit Date	17-Feb-2016

Certification Of: (2) PRESSURE VESSEL 24.5L **Quantity:** One(1)

Survey Location:

Equipment Data

Manufacturer Number(S. No.)	See below
Model Number	Seamless Bladder Accumulator
Purchaser Name	EPE ITALIANA

Design Details

Design State	Product Design Assessed
ABS Reviewing Organization	London Engineering Department
Drawing Number	RT551ABS Rev.01

Additional Data

ABS Stamping * Fabrication/test dates-Design/test pressure-Capacity

This is to Certify that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:

Traceability of materials used on this project has been verified.

The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.

All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.

Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

For non-ABS Grades, tests and examinations as required by the specifications as listed in this report were carried out and found satisfactory.

Manufacturer test records and/or mill certificates were confirmed to comply with specification.

For details of Mechanical Properties and/or Chemical Composition, refer to the mill/manufacturer's records.

Final markings for identification confirmed.

(2) seamless bladder type accumulators shell capacity 24.5 liter,

- Drawing: RT551ABS rev.01 219.1 X 8.35 mm
 - Design / test pressure (bar) : 360/515
 - Design temperature range: -40°C/+80°C
 - Material: Grade 34CrMo4 / Heat: CX(383015) batch SA032
- Serial N°: 14374 & 14375

Were satisfactory inspected according to section 4-4-1/7 and 4-4-1/11.2 of the ABS Rules for Building and Classing Steel Vessels 2014 after the following tests carried out :

NOTE: This report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel structure, item or material equipment, machinery or any other item covered by this Report has been examined for compliance with or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in the contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.