

# Energy - Downstream, Power and Manufacturing Design Appraisal Document

Lloyd's Register EMEA  
Energy - Downstream, Power and Manufacturing  
Churchills, Thorncliffe Park Estate,  
Newton Chambers Road,  
Chapelton,  
Sheffield, S35 2PH

Date

**8 May 2014**

Quote this reference on all future communications

**COV1312654 O-29411/AT**

**Client** : Hale Hamilton (Valves) Limited  
**Manufacturer** : Hale Hamilton (Valves) Limited  
**Subject** : N6 Mk154 Balanced Stop Valves  
**Maximum Working Pressure** : Pw = 310 bar  
**Size** : DN 11

- The Documents listed below have been examined for compliance with the design requirements of **BS EN ISO 10297: 2006, the Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations (SI 1885: 2011)/Transportable Pressure Equipment Directive (2010/35/EU) and ADR 2013** for the design conditions stated on the documents and are assigned an appraisal status as indicated:

Document No.	Rev	Title	Status	Date
N112651	02	N6 Mk154 Balanced Stop Valve	B	08/05/2014
TDS928	01	Technical Support Document	B	08/05/2014

- The following points are advised for information:
  - This appraisal covers an examination of documentation relating to a design of valve.
  - The design is to ISO 10297 which is listed as an accepted standard in ADR 6.2.2.
  - Type testing in accordance with ISO 10297 and ADR 1.8.7.2 has been completed with satisfactory results.
  - Based on the information supplied it is concluded that a Type Approval in accordance with ADR 1.8.7.2 can be issued.

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- 2.5 This valve is approved for use with cylinders where the maximum settled pressure at 15°C is 310 bar.
- 2.6 It is noted that Hale Hamilton (Valves) Ltd apply a production hydrostatic test greater than specified valve test pressure P<sub>vt</sub> defined in Clause 6.6 for compressed gases.

Name  
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### Status Key

B Examiné and found in accordance with the standard listed above provided inspection and test comply  
RI Retained for information

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