ASME B30.22 INTERPRETATIONS

Replies to Technical Inquiries
July 1995 – March 1997

FOREWORD

This publication includes all of the written replies issued between the indicated dates by the Secretary, speaking for the ASME B30 Committee, Safety Standards for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings, to inquiries concerning interpretations of technical aspects of ASME B30.22, Articulating Boom Cranes.

These replies are taken verbatim from the original letters except for a few typographical corrections and some minor editorial corrections made for the purpose of improved clarity. In some few instances, a review of the interpretation revealed a need for corrections of a technical nature: in these cases a corrected interpretation follows immediately after the original reply.

These interpretations were prepared in accordance with the accredited ASME procedures. ASME procedures provide for reconsideration of these interpretations when or if additional information is available which the inquirer believes might affect the interpretation. Further, persons aggrieved by this interpretation may appeal to the cognizant ASME Committee or Subcommittee. ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity.

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Interpretation: 22-4

Subject: ASME B30.22-1993, Articulating Boom Cranes

Date Issued: March 7, 1997

Question (1): Do paras. 22-1.2.1(a) and (b), 22-1.2.2(b) and (c), and 22-1.2.3(d)(2) require load-holding valves to be directly, integrally part of the cylinder, either pad mounted with valves bolted or screwed into the cylinder?

Reply (1): The B30.22 volume requires a holding device on cylinders to prevent uncontrolled lowering or movement of the boom or load in case of a hydraulic line failure. There are many concepts of design that can accomplish this requirement. The B30.22 volume is a safety standard that provides requirements for safe product design. The volume clearly defines the purpose of the device. It is beyond the scope of this B30 Standard to define or approve specific design methods or concepts to meet the Standard's requirements.

Question (2): Do paras. 22-1.2.1(a) and (b), 22-1.2.2(b) and (c), and 22-1.2.3(d)(2) allow the use of remote-mounted, pilot-operated, load-holding valves?

Reply (2): See Reply (1).

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Interpretation: 22-3

Subject: ASME B30.22-1993, Articulating Boom Cranes

Date Issued: June 20, 1995

Question: In Section 22-1.8.4(b), does the statement, "Each power-operated stabilizer shall be visible from an actuating location . . ." include stabilizer controls located in a commercial truck cab with the outrigger visible only in a rearview mirror?

Reply: If the stabilizer is fully visible throughout its movement by direct eyesight or with the use of a mirror from an actuating location, no signal person is required. If the outriggers are not visible from an actuation position, the operator shall be assisted by a signal person.

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