

From: Staab, Christopher
Sent: Thursday, September 03, 2009 9:45 AM
To: TEMUS Charles (AFS); NOSS Philip (AFS)
Subject: Query: BRR Phone Call to Discuss Materials Question

Chuck and Phil,

When would be a good time for you for a phone call to discuss the following materials question concerning BRR:

"Are all low halogen, nickel based lubricants identical? How is the applicant reasonably assured that any low halogen, nickel based lubricant procured will not be detrimental to the operation of the closure bolts? What is meant by "nuclear grade" lubricant, how is it obtained and what does a nuclear grade provide beyond various other grades? How low is low halogen? General note 20 of drawing number 1910-01-01-SAR, sheet 1 of 4 states to coat closure bolt threads with a low halogen, nickel based nuclear grade lubricant prior to assembly.

The proper lubricant should meet several essential needs for threaded connections. First, is to control friction for obtaining true torque values. Further, correct lubrication and tightening of critical connections ensures proper assembly seating. Second, is to protect against corrosion by opposing oxidation and many chemicals. In addition, they should reduce the destructive contact between dissimilar metals and withstand greater temperature stresses. And third, they should allow for nondestructive disassembly."

Thanks,

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E-mail Properties

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Subject: Query: BRR Phone Call to Discuss Materials Question
Sent Date: 9/3/2009 9:41:57 AM
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From: Staab, Christopher

Created By: Christopher.Staab@nrc.gov

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Options

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Recipients received: