

11450.2A Ref. Section	RCDR Topic	RCDR Number
2-4.2.1(f), 2-7.2.2	Allowance for hoist brakes housed in grey cast iron when operating in a Hazardous Environment.	RCDR 23-016

QUESTION

Q1: NAVCRANECENINST 11450.2A section 2-4.2.1(f) requires motor mounted hoist brakes to have a housing constructed of steel or ductile cast iron. When operating in a hazardous environment requiring max anti-spark provisions, there are no known brake manufacturers used on packaged hoists that can provide a brake meeting both section 2-4.2.1(f), as well as NEC Article 500 electrical requirements for the operating environment. Would a brake equipped with a grey cast iron housing be acceptable in this application?

ANSWER

A1: A packaged hoist brake that meets Ingress Protection (IP) required for the specific hazardous environment is considered to take precedence over the ductile material requirement. As noted above, other brake options are not currently available with this application.