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SPO Compact Flange Seal Assembly

For carbon-steel flange assemblies with ring gaskets in stainless steel, overlay welding of the ring groove with stainless material is sometimes specified in order to prevent corrosion damage to the sealing surface. We have reviewed the design of the seal assembly for the SPO Compact Flange to assess the need for overlay welding of the ring groove. According to our opinion, such welding is *not* required. Even if some fluid would penetrate into the ring groove via a minor mechanical damage to the bore seal, no significant corrosion could take place as the fluid will rapidly become depleted of any corrosive components.

Yours faithfully
for DET NORSKE VERITAS AS

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