



Technical Support Bulletin 2004-01	MMP Spring (Elgiloy)	March 1, 2004
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Alert Level: **IMPORTANT**

Software Version: N/A

Instrument: McLane Moored Profiler (MMP)

Subject: MMP Spring (Elgiloy)

Summary: A new drive motor extension spring made of Elgiloy is available for the MMP. This spring material is more corrosion resistant than the 316 or 302 S.S. springs and will minimize the likelihood of spring failures due to corrosion at the Titanium tabs.

Technical Details: In addition to better corrosion resistance, the Elgiloy spring has a longer maximum extension length (~6.5"). This characteristic will minimize the risk of permanent spring deformation during installation and general use. In addition, the fatigue properties of the Elgiloy material are superior to those of stainless steel. Therefore, we expect the spring will perform better than a stainless steel spring over the deployment.

New springs will be provided to existing customers. Spare springs are available. McLane recommends replacing the motor spring after each deployment.

In addition, the motor and spring are supported during manufacture and shipping to minimize stretch and fatigue loading prior to deployment. Please remove the supporting foam before deployment.