



CW700R: TUNGUM®

TUNGUM® Tube installation on the BJ Services Vessel – Blue Dolphin

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PAC Stainless, Tungum's USA distributor recently supplied Tungum Instrumentation tube to BJ Services to fit to their Blue Dolphin vessel. BJ Services use the Tungum on their hydraulic, potable water and chemical lines (used to transfer chemicals to the mix tanks) where they leave the protection of the inside of the vessel and are exposed to the salt water atmosphere. The Blue Dolphin is the world's largest high-performance stimulation vessel for oil and gas wells in the Lower Tertiary and other Gulf of Mexico formations. The Blue Dolphin stimulation vessel is custom-designed to provide 20,000 psi (138 MPa) working pressure via multiple reeled flexible umbilical lines. Minimizing downtime during well stimulation in these deep environments and on multiwell locations is the goal of the ships design.

Tungum Instrumentation tubing plays a major role in eliminating the downtime of many systems on this ship as it is highly resistant to sea water and its atmosphere. Resisting both stress and crevice corrosion to offer outstanding serviceability, even at intermittent duty in the highly corrosive 'splash' zone.

Tungum alloy possesses a natural protection mechanism whereby, on exposure to salt spray, a very thin oxide coating is generated over the exposed surface, no more than two thousandths of an inch thick, when complete. The tube becomes discoloured, it may even have a verdigris coating, but under the oxide layer the tube material is perfect and will remain so for a very long time.

PAC Stainless has been in business since 1976 and has branches throughout North America. PAC have distributed Tungum Tube since 2003.

