



Press Information

Super-duplex tubing boosts productivity at increased pressures

When an international oil and gas company built a challenging offshore gas production platform in Southeast Asia their new design called for an increase in the working pressure of the platform's hydraulic tubes from 8,000 psi to up to 12,000 psi. Unfortunately, standard tubing of austenitic grade UNS S08904 – known as 904L – was incapable of handling pressures above 8,000 psi.

To accommodate this increase in pressure Sandvik recommended and supplied super-duplex Sandvik SAF 2507 tube, in order to increase productivity by withstanding pressures of up to 12,000 psi – a 50 percent improvement over the standard 904L. In addition, because it is a lighter material, the super-duplex tube was easier to install and required less welding. This simplified installation process was attractive not only for the customer, but also for the contractor who built the installation. Another advantage of Sandvik SAF 2507 is its robust design, which makes it more suitable for marine environments with ambient temperatures of 30–35°C (86–95°F) and more resistant to crevice corrosion, pitting and chloride stress corrosion cracking.

In the end, the lighter super-duplex material of Sandvik SAF 2507 significantly reduced delivery and warehousing costs compared to the much bulkier 904L. The ease of installation, combined with 50% higher

working pressures, solved multiple challenges for the customer, who now intends to use Sandvik super-duplex tubing in future projects.

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