The Gulf of Mexico, 29 43.25 N, 88 47.49 W, 1:47 PM

With sour crude constantly flowing through his manifolds 6,500 feet down, Marc Costa can hardly stand the tension.

Engineered materials.

Sandvik specializes in duplex, super-duplex, hyper-duplex steels and other advanced alloys. They are extremely resistant to corrosion caused by salt and aggressive chemicals otherwise threatening oil and gas operations. The remarkable mechanical strength of these materials also allows more compact system designs, lighter yet tougher tube installations and more versatile wirelines.

HILANDERS

What sour oil and biting chemicals do to destroy any piece of subsea hardware is not difficult to imagine. Especially if it's a 100-ton manifold moving over 3,000 gallons of that oil every minute.

On platforms throughout the Gulf of Mexico, this is a clear and present danger that many people are quite concerned about, to say the least.

Others aren't losing sleep over it at all.

Their secret? Manifold components made of engineered materials from Sandvik. These materials resist corrosion like nothing else. No matter how sour the crude or how aggressive the chemicals.

Sandvik uses powder-metal HIP technology to manufacture huge and complex offshore components with a minimum of welds. This makes them not only corrosion-resistant, but remarkably strong and reliable as well. They can take just about any kind of beating down there.

As the oil and gas industry goes up against more hostile operating conditions, Sandvik's cure is more innovative metallurgical technology and more advanced materials.

We continuously develop new, higher grades of these materials, along with new manufacturing processes. The result is equipment that withstands corrosion, pressure, high temperatures and mech-anical stress better than ever before.

Engineered materials from Sandvik. Possibly your best insurance against bad news.

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