



CASE STUDY

## STYBARROW VENTURE WINCH LINE

Specially-tapered and engineered buoy  
pull-in line for a traction winch



**samson**  
THE STRONGEST NAME IN ROPE

### THE CHALLENGE

At the end of 2007, Modec's Stybarrow Venture MV16 achieved first oil. The FPSO is located in the Exmouth Sub-basin off the northwest coast of Australia. Designed by Sofec, the disconnectable turret system called for a specially tapered and engineered buoy pull-in line operating from a Timberland traction winch. Samson provided a custom-made tapered line to meet the challenge.



SAMSON CASE STUDY  
STYBARROW VENTURE WINCH LINE

**CUSTOM-TAPERED LINES:  
A SAMSON SPECIALTY**

Quantum-8™ is a natural choice for use on traction winches. Its firm, round 8-strand construction uses Samson's patented DPX™ technology, which incorporates polyester into the Dyneema® surface strands to give it additional grip on traction drums. Samson's Research and Development team custom engineered this pull-in line. It was tapered to the customer's specifications, requiring it to be made without additional connectors for dissimilar diameters or splices in the body of the rope. Eliminating troublesome connectors greatly increases the efficiency of the winch and removes the possibility of fouling problems on both deployment and retrieval.

In addition to the buoy pull-in lines, the Stybarrow Venture uses two other high-performance Samson lines: Neutron-8™ is installed on the riser-tensioner winches designed by Ram Winch, and AmSteel®Blue grommets are used in the riser pull-in system. As part of Samson's commitment to providing in-field support from long before the sale to long after delivery, Samson dispatched an application engineer to the Stybarrow Venture while it was being commissioned in Singapore to verify proper installation and provide training in handling and maintenance of the high-performance synthetic ropes.

**FOR ADDITIONAL INFORMATION:  
SamsonRope.com**

We've put all our information here for easy downloading for anyone with access to the web. We think it is the best resource for information on high-performance synthetic ropes available anywhere.

- > Rope specifications
- > Product breakdowns by application and industry
- > Technical bulletins
- > Case studies
- > Splicing instructions



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Quantum-8™ {863}

Neutron-8™ {867}

AmSteel®Blue {872}