



Certificate: 06159948

Date: 23/05/2016_REV.01

Prototype Hose Test Certificate

This is to certify that a design and method of manufacture of Seaflex STS (Ship-To-Ship) hose have fulfilled the technical requirements for prototype hose approval specified in EN 1765/Type-L15.

The prototype hose was designed and manufactured at Ortona factory, YIIT division of Yokohama Rubber Co., Ltd, under a quality system in accordance with ISO 9001. The prototype tests were witnessed and judged satisfactory by the qualified independent inspection service ABS.

The purchaser's approval of this certificate does not release the manufacturer from the responsibility for satisfactory fabrication and hose performance.

Prototype hose specification and drawing:

Hose type	:	Seaflex STS
Size	:	300mm Diameter x 10.0m Length
Rated pressure	:	15 bars
Drawing	:	TTIPR53
Test hose No.	:	06159948

Prototype test specification:

EN1765:2004/Type-L15

Test on rubber compounds:

-Resistance to liquids (Lining & Cover), Abrasion resistance (Cover), Resistance to ozone (Cover)

Tests on finished hose assemblies:

-Adhesion tests (Dry & Wet), Hydrostatic tests (Working pressure & Proof pressure), Minimum bend radius test, Kink resistance test, Electrical tests (Discontinuity), Burst test

Test location: Ortona factory, division of The Yokohama Rubber Co., Ltd

LABORATORIO ITALIANO GOMMA - Cerisie, San Giugliano Milanese

Tests dates: from 07/07/2015 to 03/08/2015

YOKOHAMA
INDUSTRIAL PRODUCTS ITALY S.r.l.
Ortona Plant
QUALITY MANAGER
(O. Andreoli)




Yokohama Industrial Products Italy s.r.l.
R. Madia
R&D Manager



ADEAN SCUM