

Proposed 2013 Vessel General Permit (VGP)

“Biodegradable” means, the following for purposes of the VGP:

- Regarding cleaning products and environmentally acceptable lubricants, biodegradable means products and lubricants that demonstrate either the removal of at least 70 percent of dissolved organic carbon, production of at least 60 percent of the theoretical carbon dioxide, or consumption of at least 60 percent of the theoretical oxygen demand within 28 days. Acceptable test methods include: Organization for Economic Co-operation and Development Test Guidelines 301 A-F, 306, and 310, and International Organization for Standardization 14593:1999.
- Regarding biocidal substances, biodegradable means a compound or mixture that yields 60 percent of theoretical maximum carbon dioxide and demonstrate a removal of at least 70 percent of dissolved organic carbon within 28 days as described in EPA 712-C-98-075 (OPPTS 835.3100 Aerobic Aquatic Biodegradation).

“Boat Engine Wet Exhaust” means the seawater that is mixed and discharged with small boat propulsion engine exhaust to cool the exhaust and quiet the engine. *[source: 40 C.F.R 1700.4]*

“Captain of the Port” (COTP) means the Coast Guard officer designated as the COTP, or a person designated by that officer, for the COTP zone covering the U.S. port of destination. These COTP zones are listed in 33 CFR Part 3. *[source: 33 CFR § 151.2025]*

“Chain Locker Effluent” means the accumulated precipitation and seawater that is emptied from the compartment used to store the vessel's anchor chain. *[source: 40 CFR § 1700.4]*

“Coastal Exchange Zone” means an area greater than 50 nm from shore and greater than 200 meters in depth.

“Commercial fishing vessel” means any vessel which is documented under the laws of the United States or, if under five net tons, registered under the laws of any state, and used for commercial fishing or activities directly related to commercial fishing. *(source: modified from 50 CFR § 296.2)*

“Commercial vessel” means any “vessel” other than a “recreational vessel” or a vessel of the U.S. armed forces.

“Constructed” means a state of construction of a vessel at which—

- “the keel is laid;
- “construction identifiable with the specific vessel begins;
- “ assembly of the vessel has begun comprising at least 50 tons or 1 percent of the estimated mass of all structural material of the vessel, whichever is less; or
- “ the vessel undergoes a major conversion;” [patterned after the [*International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004*](#), regulation A-1(4)]

"Control measure" means any BMP or other method (including effluent limitations) used to prevent or reduce the discharge of pollutants to waters of the United States.

ANNEX

**REGULATIONS FOR THE CONTROL AND MANAGEMENT OF SHIPS'
BALLAST WATER AND SEDIMENTS**

SECTION A - GENERAL PROVISIONS

Regulation A-1 *Definitions*

For the purposes of this Annex:

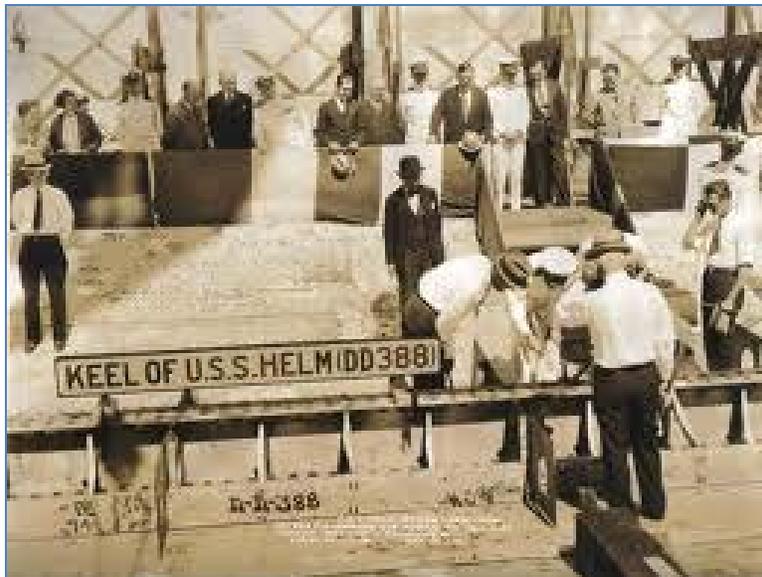
- 1 “Anniversary date” means the day and the month of each year corresponding to the date of expiry of the Certificate.
- 2 “Ballast Water Capacity” means the total volumetric capacity of any tanks, spaces or compartments on a ship used for carrying, loading or discharging Ballast Water, including any multi-use tank, space or compartment designed to allow carriage of Ballast Water.
- 3 “Company” means the owner of the ship or any other organization or person such as the manager, or the bareboat charterer, who has assumed the responsibility for operation of the ship from the owner of the ship and who on assuming such responsibility has agreed to take over all the duties and responsibilities imposed by the International Safety Management Code¹.
- 4 “Constructed” in respect of a ship means a stage of construction where:
 - .1 the keel is laid; or
 - .2 construction identifiable with the specific ship begins;
 - .3 assembly of the ship has commenced comprising at least 50 tonnes or 1 percent of the estimated mass of all structural material, whichever is less; or
 - .4 the ship undergoes a major conversion.
- 5 “Major conversion” means a conversion of a ship:
 - .1 which changes its ballast water carrying capacity by 15 percent or greater, or
 - .2 which changes the ship type, or
 - .3 which, in the opinion of the Administration, is projected to prolong its life by ten years or more, or
 - .4 which results in modifications to its ballast water system other than component replacement-in-kind. Conversion of a ship to meet the provisions of regulation D-1 shall not be deemed to constitute a major conversion for the purpose of this Annex.

¹ Refer to the ISM Code adopted by the Organization by resolution A.741(18), as amended.

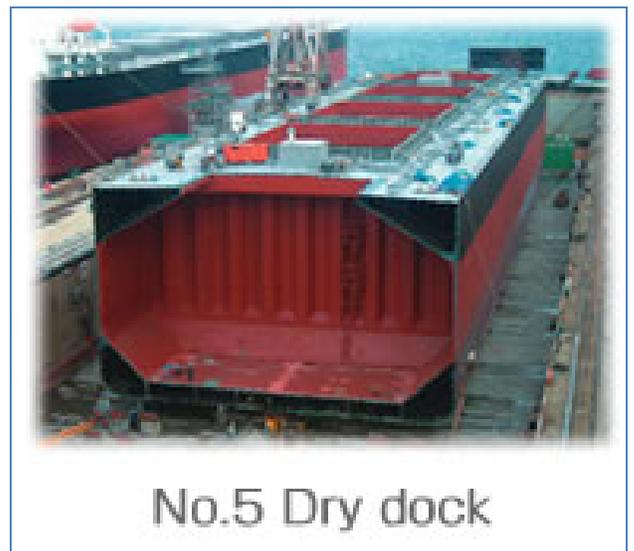
HISTORICAL KEEL LAYING PHOTOS



Laying the keel for an America's Cup challenger: it is February 1936 and these men are lading the molten lead that will go into the 90-ton keel of Endeavour II, the magnificent "J" class yacht with which Thomas Sopwith (later knighted) will make his second attempt to win the America's Cup the following year. Sopwith, who helmed both his yachts, did not succeed. But his name is a legend in yacht racing – as it is in aviation history. His Sopwith Aviation Company produced more than 18,000 aircraft for the Allies during the First World War, including the famous Sopwith Camel single-seat fighter

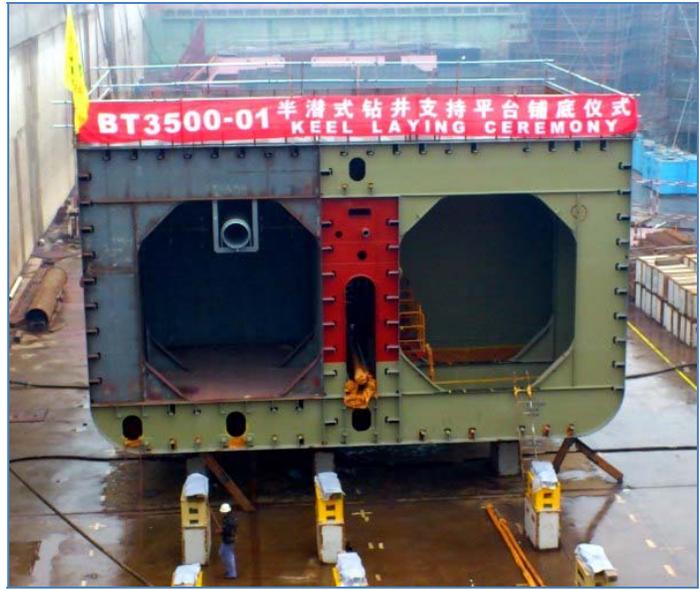


COMMERCIAL SHIPBUILDING YARDS



No.5 Dry dock

SHIP KEEL LAYING

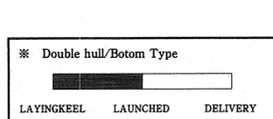


KOREA SHIP-BUILDING SCHEDULE

THE ZOSEN NEWS SHA CO., LTD. 7-13, Iwamoto-cho 2-chome, Chiyoda-ku, Tokyo, 101-0032, Japan

Send Orders and Inquiries to: THE ZOSEN NEWS SHA CO., LTD. 7-13, Iwamoto-cho, 2-chome, Chiyoda-ku, Tokyo, 101-0032, Japan

This graph shows the current holdings of ship-building under construction at the four leading shipbuilders (Hyundai Heavy Inc. Co., Ltd. Korea Shipbuilding and Engineering Corp. Daewoo Shipbuilding and Heavy Machinery Ltd. Samsung Shipbuilding and Heavy Ind. Co., Ltd.) in Korea. The number in parentheses of Hull Number column therein indicates the quantity of ships which are in process of a business talk and are not yet contracted. Overseas Price (Annual Subscription fee including air mail postage) \$100.00



Main table with columns for SHIP-YARD, HULL NO., CLASS, NATIONALITIES, SHIP-OWNER, TYPE, D/W, ENGINE, and years 2011-2015. It is divided into sections for HYUNDAI HEAVY INDUSTRIES CO., LTD., HYUNDAI MIPO, HYUNDAI SHIPBUILDING AND MARINE ENGINEERING CO., LTD., SAMSUNG SHIPBUILDING HEAVY INDUSTRIES CO., LTD., and HYUNDAI GUNSAN.

SHIP-BUILDING SCHEDULE

MINOR EDITION

THE ZOSEN NEWS SHA Co., Ltd.

7-13, Iwamoto-cho, 2chome, Chiyoda-ku, Tokyo, 101-0032, Japan

This graph is designed to give you a list of ships under construction which enables you to learn their schedule of construction at a glance. N. B. Parentheses stand for "undecided"

Send Orders and Inquiries to: THE ZOSEN NEWS SHA Co., Ltd. 7-13, Iwamoto-cho, 2chome, Chiyoda-ku, Tokyo, 101-0032, Japan FAX: +81 3-3861-3093 E-Mail: morizosen@aol.com Foreign Price: Major & Minor combined annual Subscription rate US \$ 265.00 air mail charge US \$ 18.00 Total US \$ 283.00 * Prices are Subject to change without notice.

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MANUFACTURER OF MAIN ENGINE... Double hull/Botom Type

Main table containing shipbuilding schedules with columns for shipyard, hull no., nationality, ship-owner, type, D/W, engine, and construction progress from 2011 to 2015.

Declared the Force majeure by the Japan Earth quake. All vessels is undecided delivery date.

AS of
12/30/2011

Sea-web Ship Analysis Report - Top 100 Ship Status by Total No. of Ships

RankDetail	TotalDWT	TotalGT	TotalTEU	TotalHP	AvgAge	Ships
1 On Order/Not Commenced	221,096,898	147,461,682	3,582,441	56,053,261	0.0	3,829
2 Keel Laid	62,678,626	38,645,071	281,654	18,097,019	0.0	2,039
3 Launched	41,530,406	26,824,797	328,176	14,362,682	0.0	1,377
4 Under Construction	26,437,415	16,614,138	279,405	6,984,813	0.0	352
Grand Totals	351,743,345	229,545,688	4,471,676	95,497,775	-0.7	7,597

- New Buildings (except Projected)
- All ship types
- All sizes

Sea-web Ship Analysis Report - Top 100 Ship Status by Total No. of Ships

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TITLE 46 - SHIPPING

CHAPTER I - COAST GUARD, DEPARTMENT OF HOMELAND SECURITY

SUBCHAPTER D - TANK VESSELS

PART 30 - GENERAL PROVISIONS

30.10 - 37 - Keel laying dateTB/ALL.

The term keel laying date means the date upon which progressive construction identifiable with a specific vessel begins, including construction of the first module or prefabricated section of the hull that is identifiable with that vessel.

[CGD 74127, 41 FR 3843, Jan. 26, 1976]