

Regulation to phase out single-hull tankers

International: **MARPOL 73/78**
as amended with effect
7/93, 9/02, 4/05

US: **Oil Pollution Act 1990**

Europe: **EU 1726/2003**



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Single hull tanker phase-out

All new tankers now built with double hull

International: Basic single-hulls 2007
Advanced* single hulls by 2015

International 4/05: Basic 2005
Advanced* s/h by 2010 (2015 some countries)

US: By 2010 (except offshore ports and lightering)

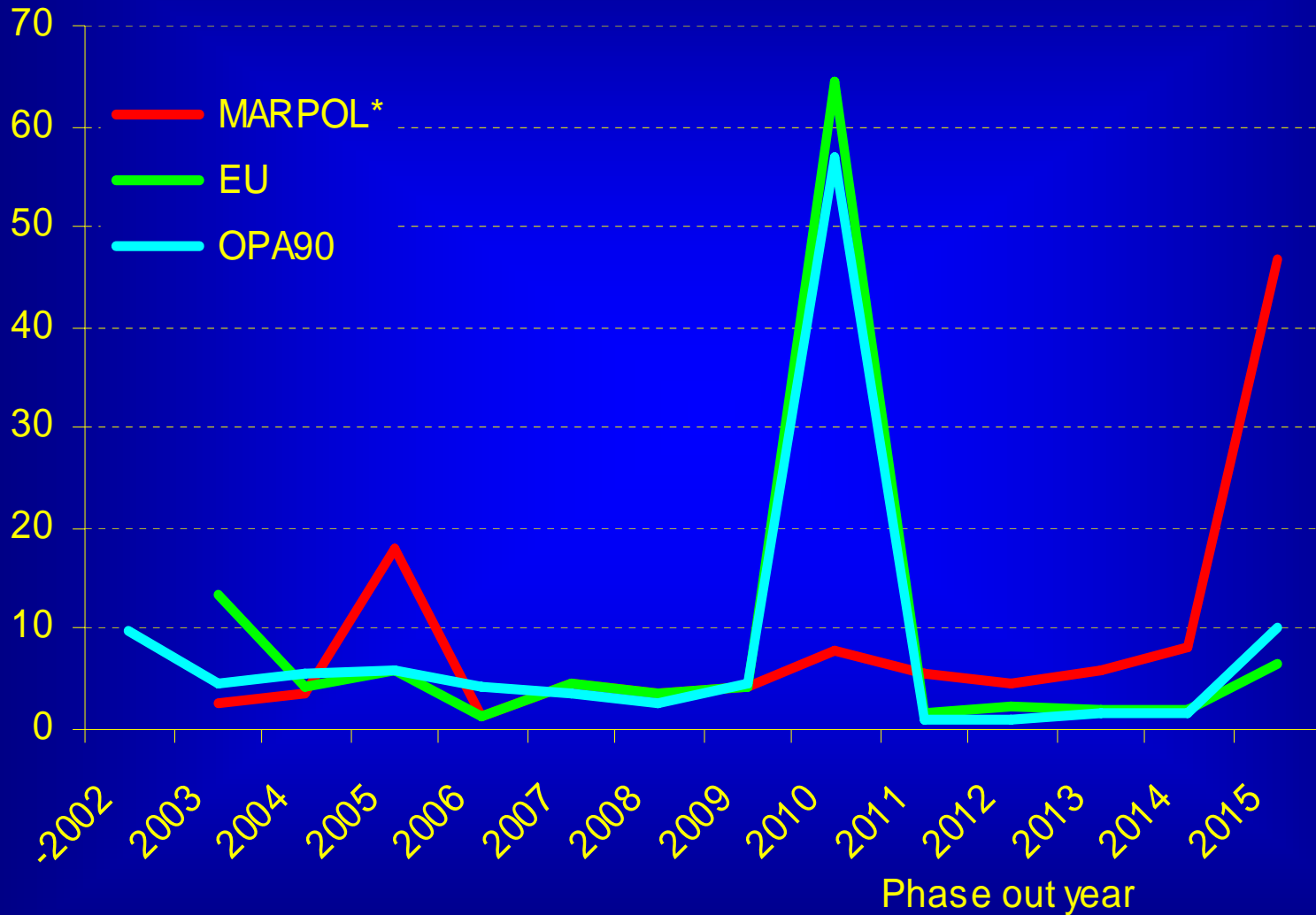
Europe: Basic 2005
Advanced* s/h by 2010

*Advanced s/hull = MARPOL sbt/pl



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Tanker phase out - m dwt



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SEP 13 89

Evolution of single-hull phase-out

- Exxon Valdez (3/89)
- OPA 90
- U.S. phase-out from 1995 to 2010 (except LOOP and DLAs)
- IMO amendments to MARPOL 73/78 adopted 3/92 eif 7/93
- Newbuildings to be double-hulls
- Single-hulls to be sbt(pl) or hbl from 25 years with phase-out at 30 years old or by 2015





Evolution of single-hull phase-out

- Erika (12/1999)
- IMO amendments to MARPOL 73/78 adopted 4/01 eif 9/02
- Category 1 phase-out up to 2007
- Categories 2&3 phase-out at 26 years up to 2015
- B U T
- Flag may allow newer s/hull to continue to 25 years (sub CAS)
- B U T
- Port can bar such extended s/hulls





Evolution of single-hull phase-out

- **Prestige (11/2002)**
- **EU Regulation 1726/2003 eif 21/10/2003**
- **Category 1 phase-out up to 2005**
- **Categories 2&3 phase-out up to 2010**
- **No HGOs in single-hulls from 21/10/2003**
- **CAS from 2005 for all Categories 2&3 over 15 years old**



Evolution of single-hull phase-out – MEPC 50

- MEPC 50 amendments 12/03 to IMO's MARPOL 73/78 eif 5/4/05
- Category 1 barred by 2005
- Categories 2&3 barred by 2010
- CAS required for s/hulls over 15 yrs



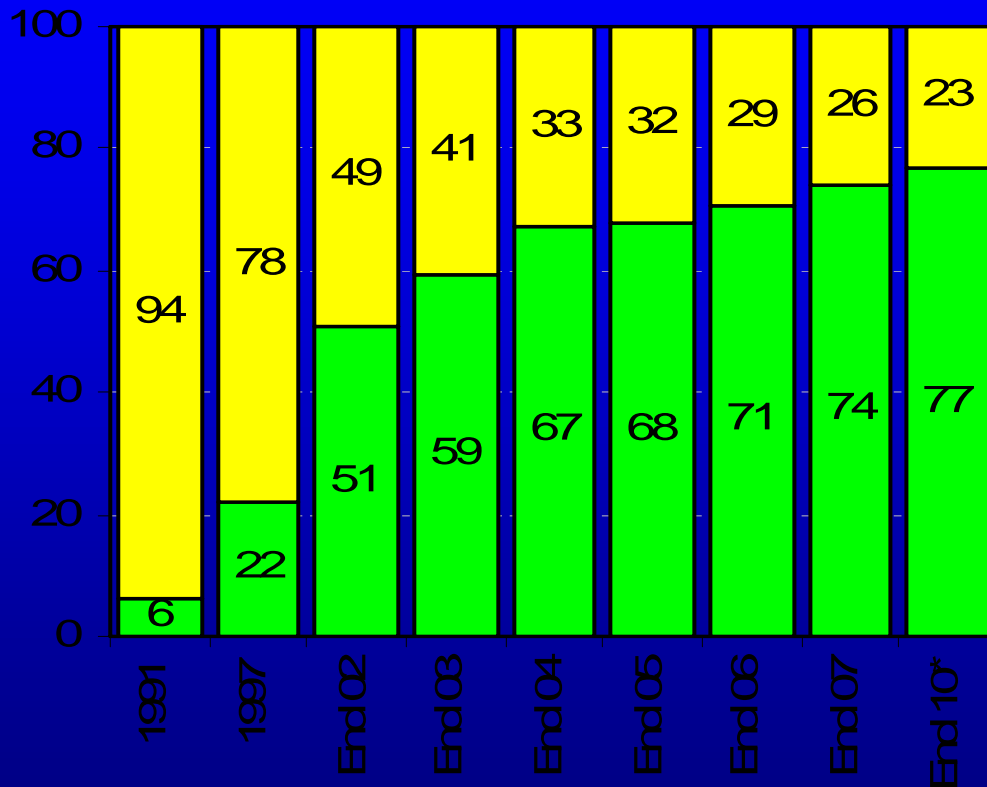
Evolution of single-hull phase-out – MEPC 50

- B U T
- Flag may extend Categories 2&3 up to 2015 or 25th anniversary (whichever earlier)
- Categories 2&3 with DB or DS may trade up to 25th anniversary (even past 2015)
- B U T
- Port may bar such flag extensions and/or DB/DS extensions



Tanker fleet double-hull development

%



% dwt share*:

■ DH ■ SH/DB/DS

* Assumes phase out according to regulations (rounded upwards, 25 years after 2010)



National implementation policies for SH phase-out

20 different flag/port states have detailed their policy on exceptions to single-hull phase out in 2010.

INTERTANKO website

>Phase out

>Implementation policies

<http://www.intertanko.com/templates/intertanko/issue.aspx?id=18805>



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