ASBESTOS: OUR SERVICES IN A NUTSHELL

As an independent partner, we help you carry out a thorough assessment of the facts, guide your demolition project and/or check that the asbestos has been properly removed. You can count on us in case of calamities too, when every second counts.

Our asbestos services:
- Asbestos inventories and taking asbestos samples
- Guiding the removal process from contracting to completion
- A second opinion on existing investigations: counter-expertise
- Direct on-board of the ship owner for asbestos-containing materials during the construction phase, both at home and abroad
- Making and keeping any asbestos containing applications manageable
- Final check after asbestos removal
- Theory and practical training courses

MORE THAN JUST ASBESTOS: ADDITIONAL SERVICES

SGS has been a trusted partner to the maritime sector for a long time. And not just because of our vast experience in international qualitative and quantitative inspections of ships. But also in the assessment of the safety and environmental risks of ships and their loads. Whether you are at sea, moored at port or laid-up at the slipway, we ensure you always meet the legal requirements.

SGS gives you access to a wide range of services related to inspection, checking, analysis and certification in shipping. As well as environmental and safety services, including:
- Inventory of Hazardous Materials: investigation and analysis
- Sampling and analysis of ballast water, waste water, drinking water and washing water originating from scrubbers in line with international norms
- CO₂ monitoring and verification
- Flue gasses and emissions testing
- CEMS verifications: dust concentrations
- Ceramic fibre testing
- Monitoring of indoor air quality (IAQ)
- Noise testing
- Vibration testing
- Safety training courses

MORE INFORMATION!

We would be happy to tell you more about the range of services above. Contact us for a fast and thorough investigation, either on board or ashore. And any questions, we sorted out our maritime experts.

WWW.SGS.COM
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ASBESTOS ON BOARD

Safety first! Making the shipping industry as safe as possible: that's the aim of the International Maritime Organization (IMO), the UN body for maritime affairs. Among other things, this has involved setting up the SOLAS International Convention for the Safety of Life at Sea, and coming soon the Hong Kong international convention for the safe and environmentally sound recycling of ships.

These conventions involve different obligations that you, as a ship/shipyard owner or shipping company, are subject to. One of these is the inventory of hazardous materials (IHM), a key part of which is asbestos detection.

Since 2002, the use of asbestos on ships has been forbidden, and yet it is still regularly detected. The national differences in legislation and regulation regarding asbestos raise many questions. How should we interpret these rules exactly? Who is responsible for asbestos detection? And how do we ensure that asbestos in the maritime sector remains manageable and affordable?

In this folder, we provide an overview of the rules and responsibilities concerning asbestos on ships.
ASBESTOS ON BOARD
RULES AND PRACTICES:
FOR SHIPYARDS

ASBESTOS CERTIFICATE AND/OR REMEDIATION REPORTS

| Does the shipping company/owner have an asbestos certificate and/or remediation report? | Action Plan
| Check the work activities that will be carried out:
| Are there activities in which parts are opened or demolished, for example in the emergency room, steering control room, pumps, etc.? | Asbestos suspected - asbestos inventory required
| Are there activities on brake belts, couplings and friction materials? | Asbestos suspected - asbestos inventory required
| Are there activities on isolation materials? | Asbestos suspected - asbestos inventory required
| Stay alert at work and keep working in accordance with the requirements of the R.I.&E. | Asbestos suspected - asbestos inventory required
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ASBESTOS CERTIFICATE AND/OR REMEDIATION REPORTS

| Documents completion |
| Check of completeness |
| Release date (max. 2 years old) |

ASBESTOS INVENTORY

| Check the work activities that will be carried out:
| Are there activities on brake belts, couplings and friction materials? | Asbestos suspected - asbestos inventory required
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NEWBUILD SHIP: BUILT UNDER NL FLAG OR NON-NL FLAG

| Rule
| Action
| R.I.&E. addressing the risks of ACM.
| Does the shipping company/owner have an asbestos certificate and/or remediation report(s)?
| Check the work activities that will be carried out:
| Are there activities in which parts are opened or demolished, for example in the emergency room, steering control room, pumps, etc.? | Asbestos suspected - asbestos inventory required
| Are there activities on brake belts, couplings and friction materials? | Asbestos suspected - asbestos inventory required
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| Stay alert at work and keep working in accordance with the requirements of the R.I.&E. | Asbestos suspected - asbestos inventory required

EXISTING SHIP

| Rule
| Action
| R.I.&E. addressing the risks of ACM.
| Does the shipping company/owner have an asbestos certificate and/or remediation report(s)?
| Check the work activities that will be carried out:
| Are there activities in which parts are opened or demolished, for example in the emergency room, steering control room, pumps, etc.? | Asbestos suspected - asbestos inventory required
| Are there activities on brake belts, couplings and friction materials? | Asbestos suspected - asbestos inventory required
| Are there activities on isolation materials? | Asbestos suspected - asbestos inventory required
| Stay alert at work and keep working in accordance with the requirements of the R.I.&E. | Asbestos suspected - asbestos inventory required

ASBESTOS SUSPECTED? THE PROCESS:

INVENTORY:
During construction or refurbishment of a Dutch ship, an asbestos inventory must always be carried out by an independent, accredited company or person. Every inventory created must be signed by the owner. The inventory must clearly indicate the presence of asbestos. Then direct removal is often necessary. In some cases, the ship owner or shipyard company may use legally designated ACM to carry out a Risk Assessment & Evaluation (R.A.E.).

REMOVAL:
Asbestos-containing materials are removed by a certified company.

FINAL CHECK:
After asbestos removal, a check is carried out on the final result by an accredited laboratory. Depending on the requirements of the area, a specialist technician or supervisor must check whether the area can be accessed safely without protective gear.

RELEASE:
Can the space be accessed safely? Then you can be assured of an asbestos-free vessel.
INVENTORY:
During construction or refurbishment of a Dutch ship, an asbestos inventory must always be carried out by an independent, accredited company or person. Does the inventory actually reveal hazardous materials used? If so, an IHM reveals the properties of the hazardous materials used. An IHM provides insight into the presence of hazardous materials on board of a ship, and the materials or substances concerned as well as the quantity. Examples include materials and substances that contain asbestos, ceramic fibers, mercury, lead or POCl₃. An IHM reviews the propriety of the hazardous materials used.

REMOVAL:
Immediate removal of ACM. No exemption allowed.

ASBESTOS ON BOARD
RULES AND PRACTICES:
FOR SHIPYARDS

ASBESTOS CERTIFICATE AND/OR REMEDIAL REMOVAL REPORT:

- Does the shipping company/owner have an asbestos certificate and/or remedial removal report?
- Check the work activities that will be carried out:
  - Are there activities in which parts are opened or demolished, for example in the emergency room, steering control room, pump room?
  - Are there activities on brake belts, couplings and friction material?
  - Are there activities on isolation materials?

ASBESTOS INVENTORY REQUIRED:
Stay alert at work and keep working in accordance with the requirements of the R.I.&E.

ASBESTOS INVENTORY NOT REQUIRED:
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DELIVERY:
- No ACM found:
  - Release:
    - During this final test, a specialist lab technician checks whether the area can be accessed safely
    - After asbestos removal, a check is carried out on the final result by an accredited laboratory.
  - Remobilization:
    - or shipping company is also legally obliged to carry out a Risk Assessment & Evaluation (R.I.&E).

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During construction or refurbishment of a Dutch ship, an asbestos inventory must always be carried out by an independent, accredited company or person. Does the inventory actually reveal the presence of asbestos? Then direct removal is after necessary. In some cases, the ship owner or shipping company is also legally obliged to carry out a Risk Assessment & Evaluation (R.I.&E).

REMOVAL:
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REMOVAL:
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DELIVERY:
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MORE INFORMATION?
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SGS SEACH INGENIEURSBUREAU B.V.

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WHEN YOU NEED TO BE SURE

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- Asbestos inventory: documentation and analysis

MORE INFORMATION:

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