

Asbestos in Machinery

Members Corner

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Control of Asbestos Regulations 2012

- If you want to do any maintenance work on plant or equipment that might contain asbestos, you need to identify where it is and its type and condition; assess the risks, and manage and control these risks.



Control of Asbestos Regulations 2012



Chrysotile (White) Asbestos

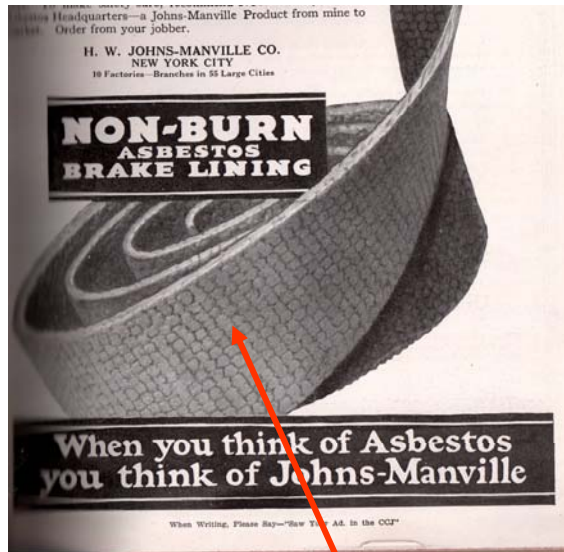
- The control limit for asbestos is 0.1 asbestos fibres per cubic centimetre of air (0.1 f/cm³). The control limit is not a 'safe' level.

Control of Asbestos Regulations 2012

- Training is mandatory for anyone liable to be exposed to asbestos fibres at work.
- By April 2015, all workers/self employed doing notifiable non-licensed work with asbestos must be under health surveillance by a Doctor.



Asbestos where?



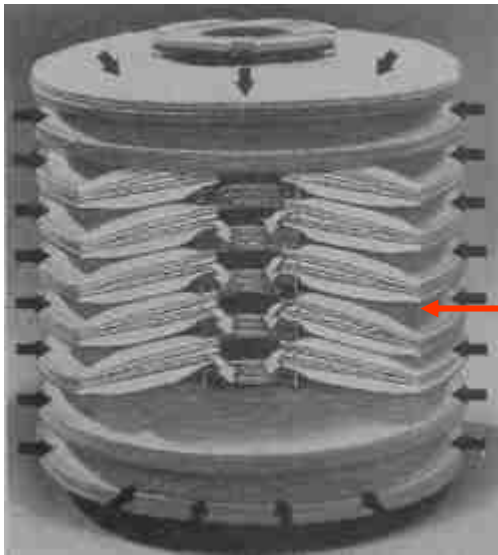
Brake and Clutch lining ACM.



Electrical Equipment
Arc Shields, ACM.



Friction and Insulation



Filters
Brake &
Clutch Linings
Electrical Wiring

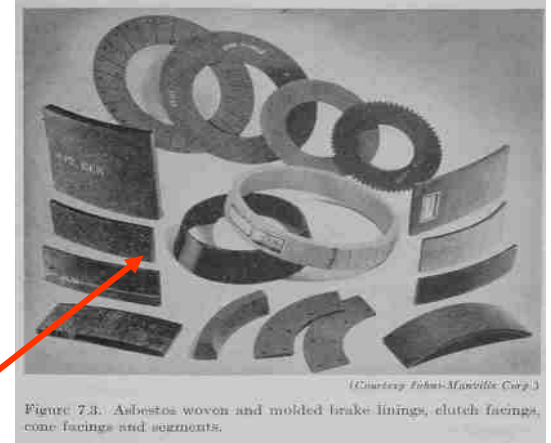


Figure 7.3. Asbestos woven and molded brake linings, clutch facings, cone facings and segments.



Where to find ACM.

- Clutch: ACM in friction material.
- Brake: ACM in friction material.
- Control Box: ACM in millboard as thermal material.
- Isolator: ACM in millboard as thermal material.
- Cabling: ACM in felt and cardboard used as insulation in electrical equipment.
- Plaited tubing in some electrical cabling.



Keep Looking!

- Drive belts: ACM woven in composition belts.
- Air system: ACM acoustic linings in baffles, silencers, and pipe insulation.
- Filters: ACM in Oil or Air Filters.



What do I have to do next?

- Identify all pre 1999 machinery or equipment.
- Compile a register of these machines.
- Ask your maintenance engineers when Clutch, Brake, Arc Shields etc where last changed.
- Label machines that contain ACM.



Documents you will need!

- Asbestos Containing Materials ACM Product Chart.
- Register of Locations of ACM's.
- Asbestos Permit to Work.
- A18 Removing asbestos friction linings. HSE.
- A30 Removing an asbestos containing 'Arc shield' from electrical switchgear. HSE.
- A33 Replacing an asbestos containing fuse box or a single fuse assembly. HSE.



Next moves

- When renewing components in these machines ensure all Asbestos Essentials Guidance Sheets are followed, by you and your contractors.
- Inform all your employees and your contractors of the likely presence of ACM and your Site Rules and Procedures to protect them.



And more!

- EM1 What to do if you uncover or damage materials that could contain asbestos. HSE.
- EM2 Training HSE.
- EM4 Using a Class H vacuum cleaner for asbestos. HSE.
- EM6 Personal protective equipment (PPE). HSE.



And more!

- EM7 Using damp rags to clean surfaces of minor asbestos contamination. HSE.
- EM8 Personal decontamination. HSE.
- EM9 Disposal of asbestos waste. HSE.



Thank you for your attention
any questions?

