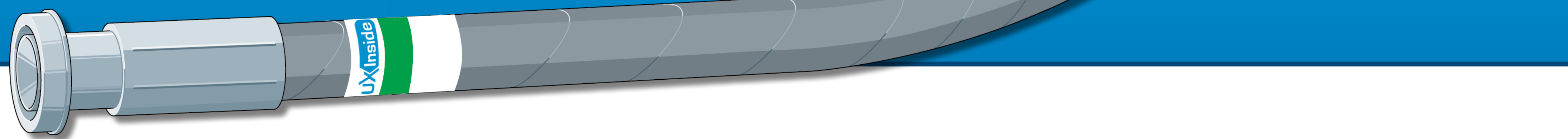


Hose Assemblies

Regulations and standards

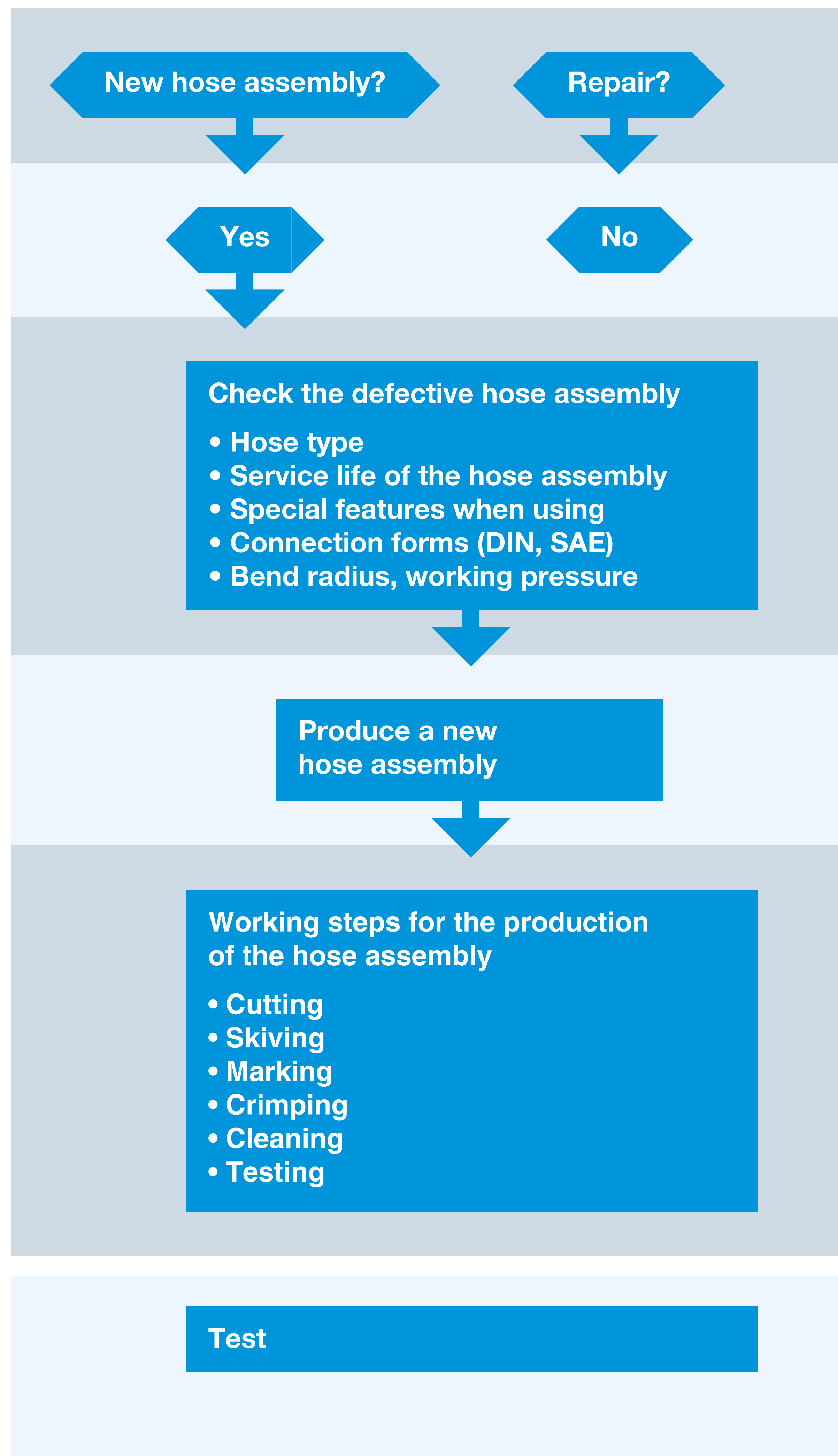
UX Inside



A customer comes to the hose assembling workshop with a defective hose assembly

Hydraulic hose assemblies can only be manufactured by trained personnel using the appropriate machines.
DIN EN ISO Standards

WORKING STEPS FOR THE PRODUCTION OF HOSE ASSEMBLIES



REGULATIONS

Repairs are generally not permitted!
DIN EN ISO 4413, DIN 20066

When producing the hose assembly, the hose should not be older than four (4) years.

Standards for hydraulic hoses according to **DIN EN, EN 853 to 857, ISO 17165-2, SAE 1273**

Hydraulic hose assemblies: The service life of hose assemblies is also limited. Six years is the recommended life for a hose assembly. See also related rules!

Marking the hose assembly according DIN EN ISO/SAE with

- Manufacturer's name
- Date of production (year/month)
- Maximum permissible working pressure of the assembly

Internal cleaning to hose assembly is carried according to qualified standards and regulations.

BS 5244, SAE ISO

The test for safe condition is carried out at appropriate and fixed intervals and by an authorized person.

HYDRAULIC HOSE ASSEMBLIES

Investigate, study and observe all relevant international and national standards and directives of your local trade, technical and work safety associations.

INTERNATIONAL STANDARDS

ISO 17165-1 Fluid technology: Hydraulic hose assemblies, requirements, dimensions

ISO 17165-2/SAE J1273: Recommended practices for hydraulic hose assemblies

ISO 8331: Rubber, Thermoplastic hose and hose assemblies

ISO 4413: Hydraulic Fluid Power – general rules and safety requirements for systems and their components

SAE J 1273: Hydraulic Fluid Power – recommended practices for hydraulic hose assemblies

EN ISO 18752:2015: Rubber hose and hose assemblies, specifications

EU / GERMANY

EN 853 to EN 857: Rubber hose and hose assemblies

DIN 20066: Fluid power systems – Hose assemblies, dimensions, requirements

DGV 113-020: Hydraulic hose assemblies and hydraulic fluids – regulations for safe application

DGV Information 209-070: Safe maintenance of hydraulic systems

GREAT BRITAIN

BS 5244: Recommendation for the application, storage and shelf life of hydraulic hose and hose assemblies

BFPDA D8: Quality control procedures and requirements for PFPDA distributors

BFPDA P47: Guidelines for the use of hydraulic fluid power hose and hose assemblies

USA

NAHAD: Hose Safety Institute, design and specifications of hose assemblies



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