NEAC Compressor Service

Seminar Servicing and Maintenance of Reciprocating Compressors

Target group:

Engineers, Technicians, Foremen and Fitters from maintenance and production areas whose jobs include overseeing, repairing and ensuring the smooth running of reciprocating compressors.

Training objectives:

Participants will learn about the function and operation of reciprocating compressors and their accessories and, from the context of malfunctions and faults, they should be able to derive preventive measures to minimise downtimes and costs.

Topics:

Function and operation of the reciprocating compressor

- Construction of the compressor with its individual components; bearings, crankshaft, piston rod seals, cylinders, valves
- Control modes

The different materials for wearing parts and their influence upon service life

- Assessment and evaluation of wearing parts, determining useful life, optimising service life

Functions of the main components

- Advantages and disadvantages of the various designs of coolers, collectors and tanks and their impact under changing process conditions

Assessment, cause-analysis of malfunctions and faults

- Typical examples that lead to malfunctions and stoppages

Servicing the compressor

- Periodic inspections of the compressor units, preventative and status-oriented maintenance, maintenance intervals

Influence of vibrations and noise upon the functioning of the machine and its environment

- Possible causes of vibrations, consequential damage, possibilities for noise reduction on compressors

Diagnosis on reciprocating compressors

- On-Site-Diagnosis: Presentation of Possibilities
- Telemonitoring: Presentation of the latest techniques for monitoring reciprocating compressors

Conversion and modernisation of different products

- Presentation of actual projects with back-ground information

Industrial safety around the compressor

- Safe working practices on the compressor, handling of hazardous materials, cleaning agents, possible risks from gases and fluids emitted by the compressor
- ATEX

Authorized OEM supplier for reciprocating compressor lines:

Chicago Pneumatic · KSB Compressors · ES · Linde · HALBERG · Demag · Borsig (recips built in Berlin up to the end of 1995) · PENN Process Compressors

Seminare & Training

Servicing and Maintenance of Reciprocating Compressors

Conclusion of the seminar:

Visit round the **NEUMAN & ESSER** **Übach-Palenberg** production facilities

Duration of seminar:

2 days
Day 1: commences 10.00 a.m. ends approx. 5.30 p.m.
Day 2: commences 8.00 a.m. ends approx. 3.00 p.m.

Location of seminar:

NEAC Training Center
Übach-Palenberg (near Aachen)

Cost of theoretical 2-Day-Seminar:

945,- € plus VAT per participant (min. 4 participants, max. 12 participants) includes one night's accommodation in a single room in a medium-grade hotel, seminar notes, meals and drinks during the day.

Additional Practical Day:

Afterwards the theoretical 2-day-seminar we offer on the following day an additional practical day. Based on the theoretical basics we will carry out different practical exercises like measuring of bearing clearance or exchange of packing internals.

Cost of additional Practical Day:

400,- € plus VAT per participant (min. 4 participants, max. 12 participants) includes one night's accommodation in a single room in a medium-grade hotel and meals and drinks over the day.

Remarks:

We are glad to prepare your individual training program - also special for your individual compressor unit.
Please send us your request by email or fax

Seminare & Training

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NEAC Compressor Service Centers

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