

C&H SERVICES SBU



CONDITION & REMAINING LIFE ASSESSMENT SERVICES

■ What is BoilerDoc™?

BoilerDoc is a detailed scientific study for assessing the existing condition & remaining life of old boiler / heater & hence confirming its safe operating life. It is also a Life Extension Program of a pressure vessel / equipment as it follows a scientific methodology to identify any flaws in it & suggesting the preventive & remedial action for correcting the same.

Scope of activity

- Condition Assessment - Determine the existing condition of pressure parts by various tests.
- Remaining Life Analysis - Interpretation of various tests predicting future safety hazards, damage assessment & Projecting useful remaining life of the equipment.
- Recommendations - Suggestions for Repairs/ revamp / replacement & redesign for safe operation of equipments as well as for efficiency enhancement.
- Detailed Report & Certification.

Potential failure

- Economizer tube leakage
- Pressure vessel bursting
- Tube bank & pressure part failure
- Steam header bursting
- Tube failure due to overheating
- Thermal cycling
- Corrosion
- Fatigue Failure
- Furnace Failure



Study Methodology

- Visual Examination.
- Dimensional Measurements.
- Destructive & Non Destructive Tests.
- Metallurgical Tests.
- Review of Operational parameters.
- Review of Water treatment records.
- Final assessment.
- Conclusions.
- Recommendations & Certification



Benefits

- BoilerDoc extends the safe life of unit & gives confidence to the user for safe usage of boilers.
- Improves the overall efficiency of the boiler .
- Refreshes & renovates the boiler to ensure minimum interruption to process .
- Develops program for planned replacement of boiler parts & minimize production loss.
- Certifies the life of equipment for CDM benefits.

Why Thermax?

- Qualified & Competent team driven by competent and experienced Metallurgist with vast exposure to Indian/International Boiler & Heater field
- International standard metallurgical testing tools for NDT techniques
- Certified Level 2/3 technicians/Inspectors to carry out/supervise NDT Tests
- Expertise in Water treatments
- ISO 9001-2004 Certified Organization, ASME Stamping
- HSE ISO 14001/OHSAS 18001 Certification, TUV/SGS Certified

Life Extension program is NOT a One Time activity. It is on-going Preventive maintenance for obtaining peak performance of equipment

In view of our constant endeavour to improve the quality of our products, we reserve the right to alter or change specifications without prior notice. All photographs shown in this publication are representative in purpose, and to be used for reference only. For actual details and specifications, please refer to Thermax offer document.



THERMAX

Sustainable Solutions in
Energy & Environment

COOLING & HEATING DIVISION Services SBU

D - 13, MIDC Industrial Area, R. D. Aga Road,
Chinchwad, Pune 411 019. INDIA
Tel. : +91-20-2747 5941
Fax : +91-20-2747 7080
E-mail : info.c&hservices@thermaxindia.com

AHMEDABAD 380 006

Tel. : (079) 2657 5408 / 5341 / 7073
Fax : (079) 2657 7270
E-mail : mambiar@thermaxindia.com

BANGALORE 560 020

Tel. : (080) 2346 7761 - 84
Fax : (080) 2346 7760

E-mail : adminblr@thermaxindia.com

CHENNAI 600 018

Tel. : (044) 2435 3831 - 34
Fax : (044) 2435 3841

E-mail : chennaidivsupp@thermaxindia.com

HYDERABAD 500 482

Tel. : (040) 2339 6820, 2331 0254
Fax : (040) 2331 2335

E-mail : hyd_sec@thermaxindia.com

MUMBAI 400 016

Tel. : (022) 2204 5391, 2204 5324
Fax : (022) 2204 0859

E-mail : pscreta@thermaxindia.com

NEW DELHI 110 057

Tel. : (011) 2614 5319, 2614 5701
Fax : (011) 2614 5311, 2614 8679

E-mail : psupport@thermaxindia.com

KOLKATA 700 017

Tel. : (033) 2282 6711 - 13
Fax : (033) 2282 6796

E-mail : mbiswas@thermaxindia.com

International Offices:

MIDDLE EAST (DUBAI)

Tel: +9714-8861424; E-mail:
info@thermaxdubai.ae

SOUTH EAST ASIA (MALAYSIA)

Tel: +60127798493
Email: thermax@tm.net.my

HO, AFRICA, SAARC & OTHER COUNTRIES

Tel: +91-20-66128802/8818/8845
Email: info.c&hservices@thermaxindia.com

International offices:

Indonesia, Russia, Kazakstan, Saudi Arabia,
Bangladesh, Sri Lanka, Hong Kong, China,
Thailand, Malaysia, Philippines, UAE, Kenya,
Nigeria, Brazil, UK, USA

Thermax Business Portfolio

Boilers & Heaters

Absorption Cooling

Air Pollution Control

Captive Power

Chemicals

Water & Waste Solutions