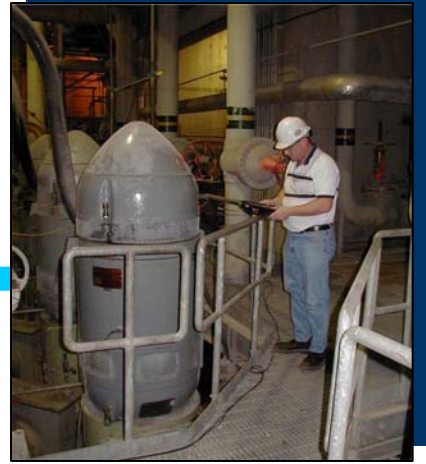


PUMP AND SYSTEM DESIGN AUDIT



INTRODUCTION

A Pump and System Design Audit is a review of a pump and system installation including original design parameters, actual operating conditions, and maintenance history.

The audit typically includes a **walkdown of the pump and system** to collect operating data as well as discussions with plant personnel on operations issues and maintenance history.

The audit can:

- Identify and resolve **pump or system abnormalities**
- Optimize pump **operations and predictive maintenance**
- Recommend potential **energy savings**

ProPump Services, will supply experienced and pump service engineers to perform a full range of pump, driver, and system testing and solutions analysis.

System and pump design audits can be performed for most pump types and OEM brands.

TYPICAL SCOPE OF WORK

System Walkdown

- Collect pump installation data
- Review piping parameters
- Inspect pump environment

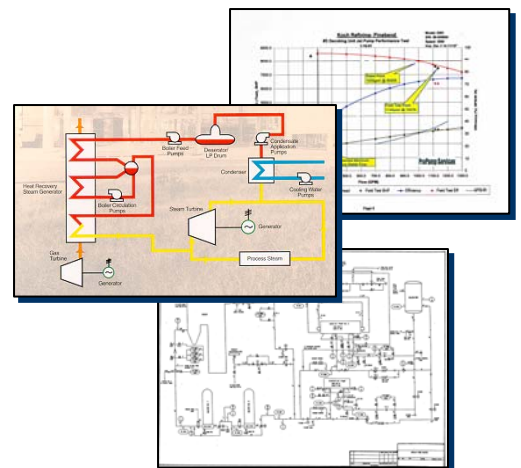
Maintenance History Review

- Review past and present mean-time-between failures
- Interview responsible departmental personnel
- Evaluate system components and their characteristics
- Analysis/recommendations for improvements

Design Review

- Address problem areas
- Identify design weaknesses/corrections
- Analyze pump application to system components
- Review applicable operating procedures

Provide assistance on technical support information



PUMP AND SYSTEM DESIGN AUDIT

DELIVERABLES

Provide a summary report including analysis, comments, and recommendations to improve pump and system operations, extend pump life, and minimize energy usage.

BENEFITS

The benefits from performing a system and pump design audit include:

- **Identify high maintenance/low efficiency pumps**
- **Optimize maintenance planning and expense**
- **Provide root cause solutions**

LEAD TIMES

Typical time on-site to perform audit

1-2 days

Typical report lead time

7-10 days

