

Hydraulic Equipment Energy Audit

Real time evaluation of traditional hydraulic systems with drive controlled pump technology applied



DCP Technology:

Modern hydraulics need to be efficient and quieter, while maintaining high power density, precise control and performance. Conventional hydraulic systems often equate to inefficient energy allocation, heat generation and noise.

Our engineers have developed a solution that pairs electric motors, hydraulic pumps, electronic drives and software to meet each local load demands within your hydraulic system.

Do you know how efficient your hydraulic equipment is? Do you know how much it costs to operate? Would reducing the noise generated by your hydraulic system be of interest? We can help by assessing your current system with an on-site energy audit.

Parker hydraulic system engineers can schedule and conduct your energy audit in three easy steps.

Contact Information:

Parker Hannifin Corporation
Value Added Systems & Technical Services

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www.parker.com/dcp



Service Features:

- Pre-audit questionnaire
- On-site installation of electric transducers to record flow, pressure, current, voltage and power factor during a normal production run
- Recorded data broken into segments for further evaluation of hydraulic performance and efficiency
- Written recommendation provided based on audit results
- If application is a good fit to apply DCP Technology, the report will include a proposal with estimated return on investment.

ENGINEERING YOUR SUCCESS.

Simple Audit Process

Step 1

Pre-Audit Questionnaire

Audit participant is asked to complete a questionnaire regarding hydraulic power unit basic information and preferred audit dates. In advance of audit, the team will send participants a hydraulic flow and pressure transducer block for temporary installation on their pump's outlet.

Step 2

On-site Audit

A Parker VAS application engineer installs the additional electric transducers to hydraulic system for recording of flow, pressure, current, voltage and power factor during equipment operation.

Step 3

Analysis and Recommendation

Parker provides a comprehensive system evaluation/report which identifies the current estimated energy usage over a specified period of time. Based on this estimate, a proposal and return on investment prediction for use of DCP technology applied to the same equipment is provided.

