Design, Fabrication and Bench Testing of a Texaco Infrared Ratio Pyrometer System for the Measurement of Gasifier Reaction Chamber Temperature

Quarterly Report

Reporting Period Start Date: July 1, 2003
Reporting Period End Date: September 30, 2003

Principal Authors: Thomas F. Leininger, Hua-Min Huang

Report Issued: October 2003

DOE Award Number: DE-FC26-99FT40684

Submitted by:
ChevronTexaco Worldwide Power and Gasification, Montebello Technology Center
329 North Durfee Avenue, South El Monte, CA 91733
DISCLAIMER –

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.
ABSTRACT –

Polk Power and ChevronTexaco have signed the cooperative agreement at the end of reporting period. ChevronTexaco is shipping the pyrometer system to Tampa, Florida. Polk Power will start the modification fieldwork and installation of the system. The testing will start when the next opportunity is available.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABSTRACT</td>
<td>3</td>
</tr>
<tr>
<td>EXPERIMENTAL</td>
<td>5</td>
</tr>
<tr>
<td>RESULTS AND DISCUSSION</td>
<td>5</td>
</tr>
<tr>
<td>CONCLUSION</td>
<td>5</td>
</tr>
<tr>
<td>REFERENCES</td>
<td>5</td>
</tr>
</tbody>
</table>
EXECUTIVE SUMMARY –

Polk Power and ChevronTexaco have signed the cooperative agreement at the end of reporting period. ChevronTexaco is shipping the pyrometer system to Tampa, Florida. Polk Power will start the modification fieldwork and installation of the system. The testing will start when the next opportunity is available.

EXPERIMENTAL –

Polk Power and ChevronTexaco have signed the cooperative agreement at the end of reporting period. ChevronTexaco is shipping the pyrometer system to Tampa, Florida. Polk Power will start the modification fieldwork and installation of the system. The testing will start when the next opportunity is available.

RESULTS AND DISCUSSION –

There are no test results in this reporting quarter.

CONCLUSION –

There are no conclusions in this reporting quarter.

REFERENCES –

None

Note: SI is an abbreviation for "Le Systeme International d'Unites."