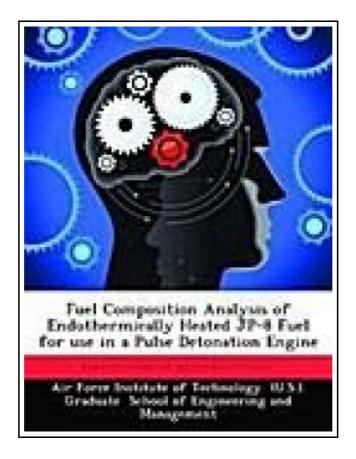
Fuel Composition Analysis of Endothermically Heated JP-8 Fuel for use in a Pulse Detonation Engine



Filesize: 1.96 MB

Reviews

An exceptional ebook and also the typeface applied was intriguing to read through. I have got read and i also am sure that i am going to likely to go through yet again once more in the foreseeable future. I discovered this pdf from my dad and i advised this ebook to find out.

(Dr. Raven Ledner)

FUEL COMPOSITION ANALYSIS OF ENDOTHERMICALLY HEATED JP-8 FUEL FOR USE IN A PULSE DETONATION ENGINE



Biblioscholar Sep 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x8 mm. This item is printed on demand - Print on Demand Neuware - Waste heat from a pulse detonation engine (PDE) was extracted via zeolite catalyst coated concentric tube-counter flow heat exchangers to produce supercritical pyrolytic conditions for JP-8 fuel. A sampling system and method were developed that enabled samples of reacted fuel to be extracted during steady state operation. Samples were taken over a range of heat exchanger exit temperatures from 820 K (1016 oF) to 940 K (1232 oF). Offline analysis of liquid and vapor fuel samples indicated fuel decomposition via typical pyrolytic reaction pathways. The liquid analysis showed conversion of parent fuel components with formation of unsaturates (aromatics and alkenes) and smaller alkanes. The gaseous products consisted of predominantly C1-C3 alkanes and alkenes (gt; 75% of total vapor yield) with moderate amounts of hydrogen and C4-C6 alkanes and alkenes. The components that were present in the stressed fuel samples were more detonable and could be linked to improved PDE performance. The ignition time decreased by over 20% as temperature increased from 820 K (1016 oF) to 935 K (1224 oF) and by more than 30% when compared to unreacted (flash vaporized) JP-8. 126 pp. Englisch.

- Read Fuel Composition Analysis of Endothermically Heated JP-8 Fuel for use in a Pulse Detonation Engine Online
- Download PDF Fuel Composition Analysis of Endothermically Heated JP-8 Fuel for use in a Pulse Detonation Engine

You May Also Like



The Battle of Eastleigh, England U.S.N.A.F., 1918

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. Dimensions: 9.6in. x 7.3in. x 0.2in.This historic book may have numerous typos and missing text. Purchasers can download a free scanned...

Save PDF »



The genuine book marketing case analysis of the the lam light. Yin Qihua Science Press 21.00(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2007-01-01 Pages: 244 Publisher: Science Press Welcome Our service and quality...

Save PDF »



The Secret Life of the Sesame Street children (nine analysis baby heart most secret(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: Unknown in Publisher: Hubei Fine Arts Publishing List Price: 90.00 yuan...

Save PDF »



Children's Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer

Createspace, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****. The Children's Handwriting Book of Alphabets and Numbers provides extensive focus on...

Save PDF »



Public Opinion + Conducting Empirical Analysis

SAGE Publications Inc, United States, 2011. Kit. Book Condition: New. Revised ed.. 279 \times 217 mm. Language: English . Brand New Book. Public Opinion : One of the central tenets of a democracy is that...

Save PDF »



Prevent-Teach-Reinforce for Young Children: The Early Childhood Model of Individualized Positive Behavior Support

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Prevent-Teach-Reinforce for Young Children: The Early Childhood Model of Individualized Positive Behavior Support, Glen Dunlap, Kelly Wilson, Phillip S. Strain, Janice K. Lee, "Learn more about Read eBook »



The Right Kind of Pride: A Chronicle of Character, Caregiving and Community

Right Kind of Pride, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. After 20 years of marriage author Christopher Cudworth and his

Read eBook »



Coronation Mass, K. 317 Vocal Score Latin Edition

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 56 pages. Dimensions: 9.6in. x 6.7in. x 0.1in.Otto Taubmanns classic vocal score of Mozarts Coronation Mass was first issued in the early 20th century and has become

Read eBook »



What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians

Teaching Christ's Children Publishing. Paperback. Book Condition: New. Daan Yahya (illustrator). Paperback. 26 pages. Dimensions: 10.0in. x 8.0in. x 0.1in.What is Love is a Bible based picture book that is designed to help children understand

Read eBook »



Some of My Best Friends Are Books : Guiding Gifted Readers from Preschool to High School

Book Condition: Brand New. Book Condition: Brand New.

Read eBook »