



NASA Ps400: A New Temperature Solid Lubricant Coating for High Temperature Wear Applications (Paperback)

By -

Bibliogov, United States, 2013. Paperback. Book Condition: New. 244 x 188 mm. Language: English . Brand New Book ***** Print on Demand *****.A new solid lubricant coating, NASA PS400, has been developed for high temperature tribological applications. This plasma sprayed coating is a variant of the patented PS304 coating and has been formulated to provide higher density, smoother surface finish and better dimensional stability than PS304. PS400 is comprised of a nickel-molybdenum binder that provides strength, creep resistance and extreme oxidative and dimensional stability. Chromium oxide, silver and barium-calcium fluoride eutectic are added to the binder to form PS400. Tribological properties were evaluated with a pin-on-disk test rig in sliding contact to 650 C. Coating material samples were exposed to air, argon and vacuum at 760 C followed by cross section microscopic analysis to assess microstructure stability. Oil-Free microturbine engine hot section foil bearing tests were undertaken to assess PS400 s suitability for hot foil gas bearing applications. The preliminary results indicate that PS400 exhibits tribological characteristics comparable to the PS304 coating but with enhanced creep resistance and dimensional stability suitable for demanding, dynamic applications.



READ ONLINE
[7.01 MB]

Reviews

It becomes an awesome ebook which i have ever go through. it was writtern quite perfectly and valuable. You will like just how the writer write this ebook.

-- **Kane O'Reilly**

A must buy book if you need to adding benefit. It is actually writter in basic phrases and not confusing. I found out this book from my i and dad suggested this pdf to find out.

-- **Shany Zemplak**

Relevant eBooks



Federal Court Rules: 2012 (Paperback)

Createspace, United States, 2012. Paperback. Book Condition: New. 244 x 188 mm. Language: English . Brand New Book ***** Print on Demand *****.Superseded by 2013 Edition. This title is available, but should be relied upon solely for purposes of historical reference or...



The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to give your child an academically rigorous, comprehensive...



Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package (Paperback)

Pearson, United States, 2015. Paperback. Book Condition: New. 10th. 251 x 203 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...



Pastorale D Ete: Study Score (Paperback)

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 335 x 188 mm. Language: English . Brand New Book ***** Print on Demand *****.Composed in August of 1920 while vacationing in his native Switzerland, Pastorale d ete (Summer Pastorale) evokes a...



EU Law Directions (Paperback)

Oxford University Press, United Kingdom, 2014. Paperback. Book Condition: New. 4th ed.. 242 x 188 mm. Language: English . Brand New Book. With a readable and modern writing style, EU Law Directions clearly explains the key topics and developments in this fast-paced...



Oxford First Illustrated Science Dictionary (Paperback)

Oxford University Press, United Kingdom, 2013. Paperback. Book Condition: New. 241 x 188 mm. Language: English . Brand New Book. The Oxford First Illustrated Science Dictionary supports the curriculum and gives your child a head start in understanding first scientific words. Organised...