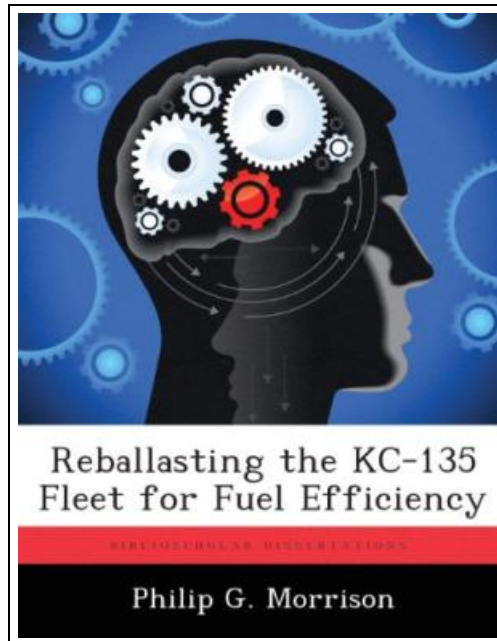


## Reballasting the Kc-135 Fleet for Fuel Efficiency (Paperback)



Filesize: 7.62 MB

### ***Reviews***

*The ideal ebook i possibly go through. It generally does not cost an excessive amount of. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

*(Vincenza Hand)*

## REBALLASTING THE KC-135 FLEET FOR FUEL EFFICIENCY (PAPERBACK)



Biblioscholar, United States, 2012. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The KC-135 airframe suffers from an aft Center of Gravity (CG). Boeing accounts for this aft CG by requiring that ballast fuel be carried in the forward body tank to maintain a CG forward of the aft limit. Boeing has analyzed the issue and states that 3,500 lbs of fuel is to be left in the forward body tank strictly for ballast. Using fuel in the forward body tank for ballast has two significant drawbacks; the forward body tank has a very short moment-arm necessitating more weight than that of ballast on a longer moment-arm, and ballast fuel displaces fuel that could be used for mission purposes by using the tank to hold ballast weight. Reducing aircraft gross weight is a cost issue, because excess weight incurs a carriage cost. The carriage cost for weight on the KC-135 is 4.97 of the weight in pounds of fuel burned per hour. This thesis focuses on the cost recoupment horizon for reballasting the KC-135 fleet and whether the cost will justify the fuel efficiency and increased mission capability. Specifically, this research examines replacement of fuel ballast with lead ballast on a longer moment arm and/or weight with a mission purpose, in the form of cockpit armor, to minimize ballast weight requirements. This will reduce aircraft gross weight and generate increased fuel efficiency.



[Read Reballasting the Kc-135 Fleet for Fuel Efficiency \(Paperback\) Online](#)

[Download PDF Reballasting the Kc-135 Fleet for Fuel Efficiency \(Paperback\)](#)

## You May Also Like



**Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

[Save eBook »](#)



**Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually...

[Save eBook »](#)



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

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

[Save eBook »](#)



**Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

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

[Save eBook »](#)



**Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

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

[Save eBook »](#)



**Happy Baby Happy You 500 Ways to Nurture the Bond with Your Baby by Karyn Siegel Maier 2009 Paperback**

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

[Download eBook »](#)



**Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Jo Ann Brewer ISBN: 9780205491452**

2011. Softcover. Book Condition: New. 6th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights,

[Download eBook »](#)



**Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback**

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

[Download eBook »](#)



**Baby Must Haves The Essential Guide to Everything from Cribs to Bibs 2007 Paperback**

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

[Download eBook »](#)



**Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback**

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

[Download eBook »](#)