**BOOK REVIEW**

Dr. Robert M. Gresham

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**Basic Handbook of Lubrication, Third Edition**

Edited by STLE’s Alberta Section

Published by STLE

Cost: $125 for members, $159 for non-members

This new edition, like its two very popular predecessors, is a team effort by the Alberta Section of STLE. The book is designed to be a practical guide to lubrication best practices and engineering techniques. It also is a basic primer on fundamental concepts in the study of friction, wear and lubrication.

Written by experienced people from a variety of corporations, the handbook is oriented toward maintenance and technical-sales professionals who deal with practical aspects of lubrication and the science of tribology in very real-world situations. Each chapter is written by an expert from the Alberta Section, many of whom hold Certified Lubrication Specialist® or Oil Monitoring Analyst® designations from STLE.

The 8 x 11-inch soft-cover book is ideal as a desktop reference with a number of easy-to-read data tables that are needed for everyday work. The descriptions also are written in down-to-earth, easy-to-read language, a great help to those new to the field. The book concludes with a comprehensive glossary of terms to help the novice get up to speed rapidly.

Somewhat modeled after the AIST Lubrication Engineer’s Handbook, the Basic Handbook of Lubrication covers all the major topics covered by the CLS and OMA I examinations. Interestingly, the book includes a chapter on aftermarket additives, always a contentious subject. There are chapters on solid film lubricants, condition monitoring for industrial equipment and the degradation and analysis of used oil in service, subjects not well covered by the Lubrication Engineer's Manual.

Thus, this is an excellent choice for those needing basic information over the wide variety of subjects managed by a practicing lubrication engineer.

The handbook comes in both spiral-bound and perfect-bound formats for the same price. Cost is $125 to STLE members and $159 to others.

I would highly recommend the Basic Handbook of Lubrication, which represents a very economical reference for those preparing for certification examinations. To order, visit [www.stle.org](http://www.stle.org) or call (847) 825-5536

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**LUBRICANT INDUSTRY JOB OPPORTUNITIES**

Pelchem has over 30 years of recruitment experience, and is dedicated to serving clients globally in lubricant and additive industries. Business conditions continue to improve greatly in 2011 while influencing significant job growth. Current active positions with client companies are listed below:

**MARKETING MANAGER – NORTH AMERICA**

Executive role with industry leader in charge of marketing private label oil & grease to distributors, jobbers and major oil companies throughout North America. 20% travel. Will be groomed to take over VP role.

**PRODUCT MANAGER**

Manage metalworking lubricant line for diverse chemical manufacturer. Hands-on formulation, testing, and customer technical support in areas of coolants, forming compounds, rust preventives, and metal cleaners. 25% travel.

**TECHNICAL SERVICE REPRESENTATIVE**

Position with 100+ year old company for technical support to industrial and private label customers, as well as blended lube distributors for line of industrial, metalworking and automotive lubricants. Responsible for technical presentations, promotional literature, and field problem solving.

**PRODUCT ENGINEERING MANAGER**

Senior level R&D chemist role with established leader in automotive aftermarket engine care products including fuel additives, antifreeze, and cleaners. Promotable to VP level in 3-5 years when current person retires.

**R&D CHEMISTS**

Several positions involving new product development, formulation, testing and technical support for one or more of the following product areas: 1) cutting fluids, 2) stamping compounds, 3) rolling oils, 4) metal cleaners, 5) rust preventives, 6) lubricant esters, and 7) lubricants and greases

**TECHNICAL DIRECTOR**

Compounder of industrial and automotive lubricants needs a chemist to manage a Lab Technician and Quality / Safety Manager. Will develop new products through collaboration with additive suppliers.

**SALES MANAGER – HEAT TRANSFER FLUIDS**

Manage multi-million dollar national account sales in heat transfer fluids for rapidly growing company that is expanding into new technologies. 30% travel.

**LABORATORY DIRECTOR**

Hands-on role with leading manufacturer of esters for specialty niche applications. Work under wing of retiring lab director in synthesis, new product development, testing, and customer support activities.

Please call or send resume at your earliest convenience if you are considering a new position. Your response will be handled with the utmost confidentiality. You can also contact me at the STLE Annual Meeting May 15-19 at the Hilton Atlanta. Please leave a message with my room or on the central message board.

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