

Dr. David Wooton an independent consultant for the lubricant industry, known on a worldwide basis as an expert in the field. He has consulted for companies in the U.S., Canada, Mexico, Australia, Spain, England, Norway and Germany. He is a Ph.D. graduate of Virginia Polytechnic Institute, where he also did a two years post-doctoral research project in analytical chemistry. He has over 30 years as an analytical chemist, with much of that time specializing in lubricant analyses and research. Over the years he has been involved in developing many methods to analyze both new and used oils that are being used by test labs all over the world currently. His experience includes over 20 years as the senior analytical chemist for Ethyl Corporation's (now Afton Chemical) R&D Department. This includes being Manager of the Analytical and the Crankcase Formulation Development Departments. In these positions, he was involved in most of the analyses development projects for the Corporation and has also gained over 5 years experience in lubricant-formulation development. This background has given him a unique understanding of all areas of lubrication chemistry and the analyses of lubricants in service.

In 2001, Dr Wooton founded his own company (Wooton-Consulting) as an industry consultant. This job has put him in to the front line of lubricant root-cause analyses problem solving, preventative maintenance developments and lubricant analyses method developments. He has also been involved in (and helping to set the standards for) lubricant reformulation/readditization. His work has developed him a strong reputation, handling clients all over the world. In the recent years, he has focused on the problems of varnish – where he is aiding the understanding of this problem and thrust into being one of the top world experts in the area.

Dr. Wooton is often called upon to perform root cause investigation for lubricant problems and assist in the developing fluid condemnation limits. This expertise has allowed him to assist many customers in improving their equipment operational reliability.

As a support to the industry's needs for new technology, he has also become involved in new instrument development and software interfacing for analytical applications. This area of research has lead to the development support of instruments for both the petroleum industry as well as the Pharmacology industries. He is both a programmer for this area as well as involved in chemometric development of algorithms for property correlations. This unique understanding of the user's needs and the programmer's applications, allows him to be able to test and develop the applications for these new instruments.

Dr. David Wooton has over 50-publications and 10-patents in the chemistry and lubricant field and has made international presentations throughout the U.S., UK, Canada, France, Japan, Australia and Germany.