



What The **EXPERTS** Say About Lubrication

"After all, how practical is it to go to the extra expense to deliver a clean, high-quality lubricant when this integrity is subsequently adulterated by careless handling and storage practices."

Jim Fitch, Publisher and Editor
Machinery Lubrication Magazine
Excerpt from "Lubricant Quality and the Chain of Custody"; Machinery Lubrication Jan/Feb 2005

"For every ISO code that you can bring it [oil contamination levels] down, you've increased the life of the components in the system by at least 40%"

Larry Czernik, Senior Development Engineer
Maintenance Products and Services Group, Caterpillar
Excerpt from "Take Control of Excavator Costs"; Equipment Today, January 2002 Issue

"It is often said that the cost of excluding a gram of dirt is only about 10 percent of what it will cost you once you let it enter the oil."

Jim Fitch, Noria Corporation
Excerpt "From Whence Dirt Come's"; November/December 2001 Issue

"SKF, the bearing manufacturer, surmises that inadequate lubrication is a contributing cause in 90 percent of all bearing failures. In the same breath, SKF points to contamination, another lubrication-related root cause of bearing failure, as contributing to 70 percent of all bearing failures."

Drew Troyer, Noria Corporation
Excerpt from "This is your wakeup call"; MRO Today, February/March 2002 Issue

"At a time of great technological and economic changes, tribology finds itself in a position in which insufficient attention is paid to the technological and economic benefits that can be reaped by its application"

Professor H. Peter Jost, President, International Tribology Council
Excerpt from opening address at the Second World Tribology Conference in Vienna, 2001
MFPT Forum Volume 5 Number 2, September 2002 Issue
Newsletter of the Society for Machinery Failure Prevention Technology

"With managerial support for training, improvements in storage and handling, and continuous improvements in lubrication procedures and practices... lubrication improvements can deliver strong financial rewards for relatively few dollars invested."

Ed Bohn, Plant Lubrication Specialist, General Motors
Excerpt from "GM Invests in Lube Program Upgrades"; Machinery Lubrication, September/October 2001 Issue

"A hydraulic system is a precision unit. Cleanliness is critical to prolonging life."

Ed Erisman, Chief Engineer of Components, Komatsu
Excerpt from "Keep Hydrostatic Equipment Rolling"; Equipment Today, August 2002 Issue

"The primary cause of engine failure that we see on the old engines we get back is oil contamination."

Mike Stivers, Vice President
ReGen Technologies, Joint Venture Between Springfield Remanufacturing and Deere & Co.
Excerpt from "Powerplant Overhaul vs. Replacement"; Equipment Today, February 2002 Issue

"It constantly amazes me when I go out into the field and I see such poor housekeeping and poor maintenance practices," says Zakarian. "The oil in the hydraulic circuit is like the lifeblood of the equipment. If you were getting a blood transfusion, you would make sure that what you put in was clean and sterile. When I go into the field, I see people pouring lube into a dirty old container. They will leave the fill cap off. This is simply inattention to detail. All you need is just a bit of common sense. Make sure you wipe the cap before you take it off and make sure you use clean containers and keep you oil covered."

Jack Zakarian, Senior Staff Engineer, ChevronTexaco Global Lubricants
Excerpt from "Keep Hydrostatic Equipment Rolling"; Equipment Today, August 2002 Issue

"For all of the power a hydraulic system provides to equipment, these systems are actually very delicate. The slightest bit of contamination can cause wear on components that will result in significant downtime and repair costs".

Jeff Woosley, Assistant Editor, Equipment Today Magazine
Excerpt from "Keeping Contaminants Out"; Equipment Today, June 2002 Issue

"It is always good advice to stop treating the symptoms and start treating the causes. When we filter dirt from oil, we are treating the symptom. When we exclude its entry, we treat the cause."

Jim Fitch, Noria Corporation
Excerpt "From Whence Dirt Comes"; Machinery Lubrication magazine, November/December 2002 Issue

"Historically, lubrication has been trivialized in the plant. This oversight has cost industry dearly."

Drew Troyer, Noria Corporation
Excerpt from "This is your wakeup call"; MRO Today, February/March 2002 Issue

"Will the contamination of a lubricant impact on your operating costs? The simple answer is yes and it could do so dramatically."

Peter Carlin, Alan Messenger & Turlough Guerin
Excerpt from "Stay clean man! Lubricant cleanliness is crucial."; World Mining Equipment, November 2003 Issue

"When Shell undertook an industry-wide customer survey to identify and assess the level of contamination that could occur in the supply chain, it was revealed that only 10% of contamination occurs during the production of lubricants and hydraulic oils. The remaining 90% occurs during packaging, handling and storage (40%) and on site dispensing equipment and machinery fill points (50%)."

Peter Carlin, Alan Messenger & Turlough Guerin
Excerpt from "Stay clean man! Lubricant cleanliness is crucial."; World Mining Equipment, November 2003 Issue



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