



# Quickclub Combine Kits for



**Since 1910**, Lincoln has helped companies maintain their machinery with lubrication components.

It began as two companies, Lincoln Engineering in St. Louis, MO and Helios Apparatebau in Heidelberg, Germany, started making lubrication devices to meet the growing demand fueled by the ongoing industrial revolution.

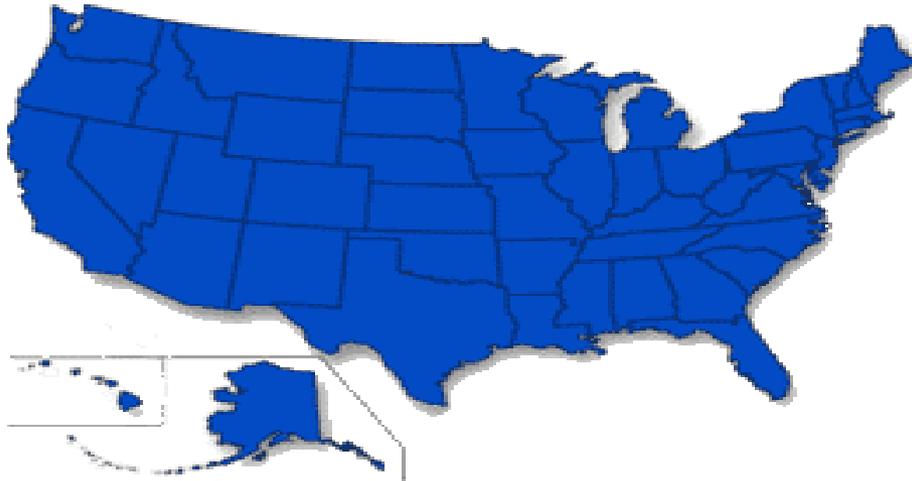
In the 1970s, the two firms joined forces.



**Go to [www.lincolnindustrial.com](http://www.lincolnindustrial.com)**



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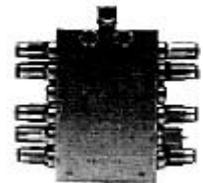
***Support around the country or call  
Lincoln Technical Assistance***

***1-314-679-420, Ext. 4782***

# Quicklub

## The Progressive System

- ★ For commercial grease up through NLGI grade 2
- ★ Pump housing reinforced nylon fiber
- ★ Motor protected against humidity and damage
- ★ Fully automatic intermittent control
- ★ Less weight
- ★ Less single parts



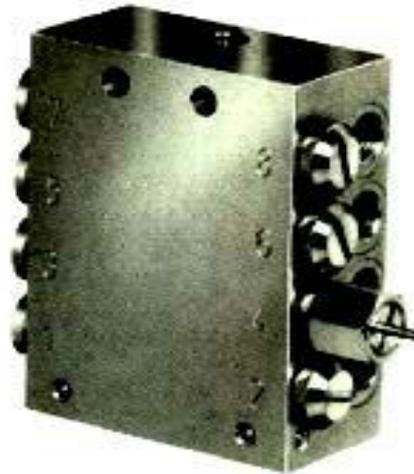
# Quicklub

## The Progressive System

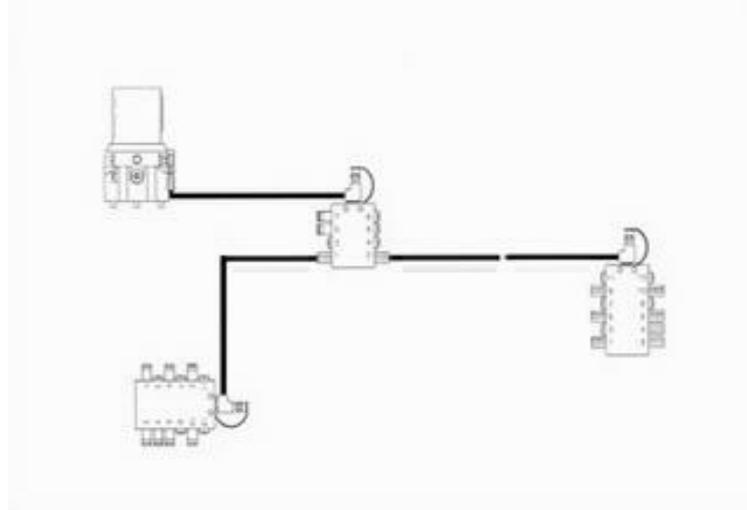
- ✿ **Visual monitoring of all connected lubrication points**
- ✿ **Minimum lubricant consumption**
- ✿ **Modular construction**
- ✿ **Can be used as a manual manifold lubrication system or as a manual single-point centralized lubrication system (without automatic pump)**

# Accurately Dispenses Lubricant

**Quicklub Metering Device**



# Automated Lubrication Method and System Operation



## System operation

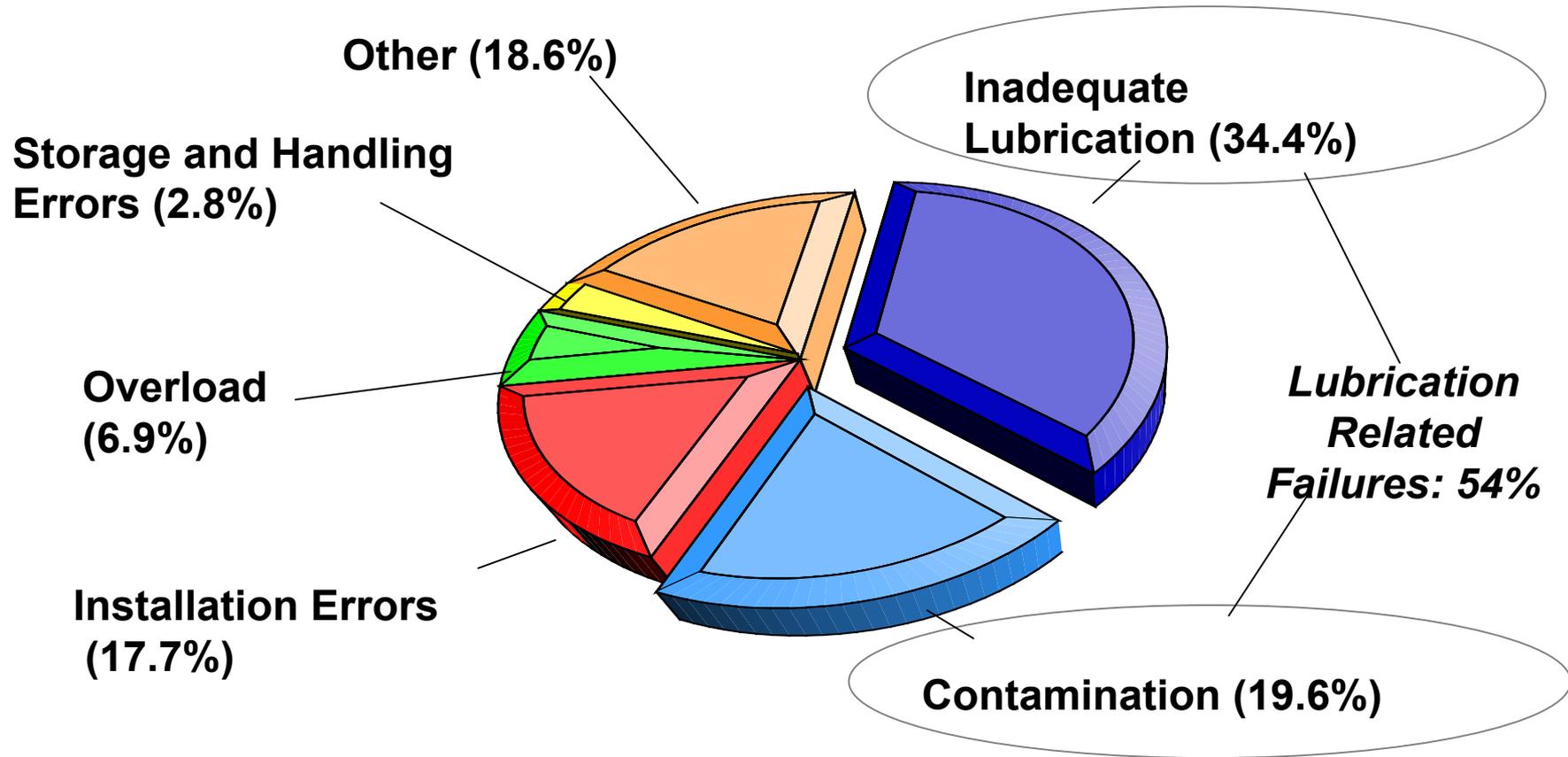
- 1) The pump is actuated automatically by an adjustable controller.
- 2) The lubricant is delivered to the divider valves through the supply line.
- 3) The divider valve dispenses lubricant in measured amounts directly to the bearing through the feedline. Visual indication of cycle pin assures that all points are lubricated.

# What Does a Quickclub Kit consist of?

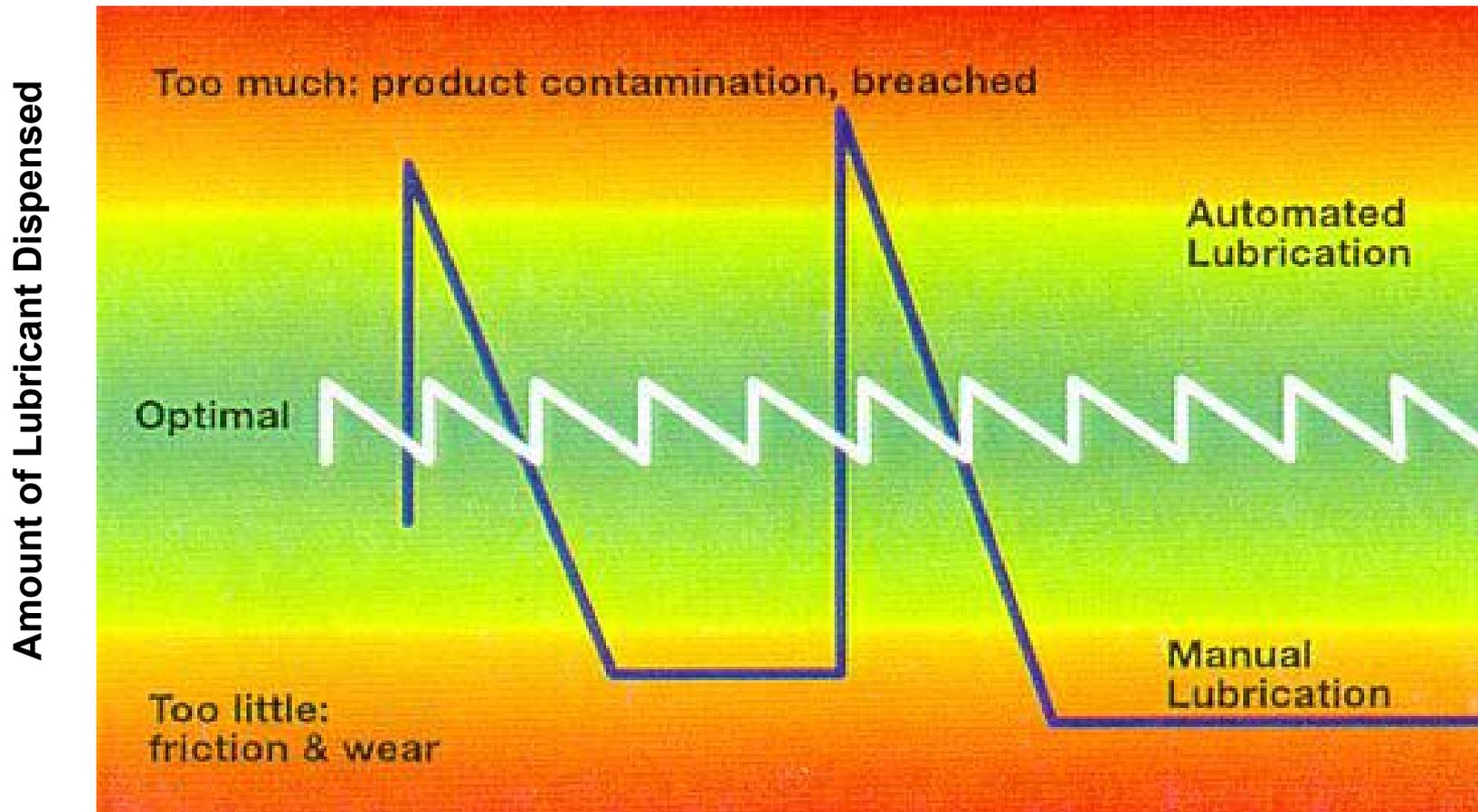


# Why Bearings Fail...

In a study conducted by a major component manufacturer, over 50% of failures are the result of improper lubrication.

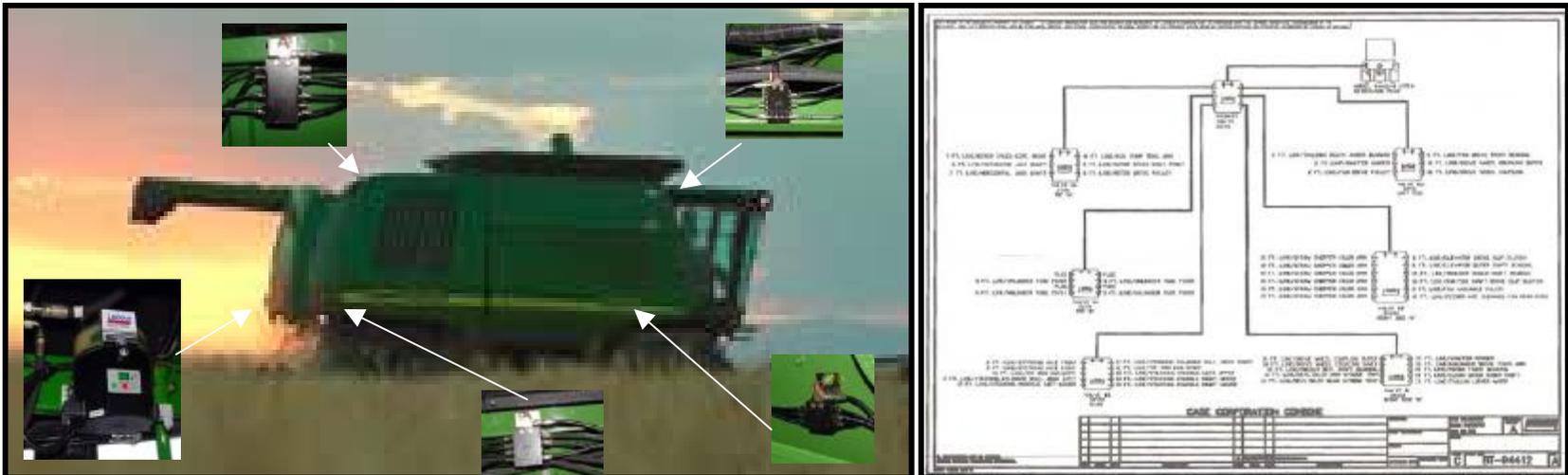


# Automated vs. Manual Lubrication Cycles



	Optimum Lubrication Amount		Lubrication Event
	Over/Under Lubrication	---	Maximum Bearing Lubricant Capacity
	Extreme Over/Under Lubrication		

Are you tired of climbing over and under your combine, removing guarding and looking for difficult to find grease zerks? Quicklub will help you eliminate this as well as increase your productivity by at least 5 Acres a Day with your Deere combine.



## Why is an Automated Lubrication System better ?

### Manual Lubrication

- Inconsistent lubrication
- Can't lubricate while running
- Constant contamination
- Premature bearing wear
- Labor expense
- Safety issue

vs.

### Automated Lubrication

- Constant Lubrication
- Lube while machine runs
- Closed system - no contamination
- Extended bearing life
- Less downtime
- Quick payback on your investment



# Automated Lubrication on Combines

## The Payback

We recently met with dealers, farmers and custom harvesters to talk about the true “costs” related to manually lubricating combines. We new costs existed but what we confirmed was over \$5,500 is spent each year for daily lubrication and repairs – *money that could be saved by using Lincoln automated lubrication systems!*

## The Analysis

### **Planned Down Time**

#### **Labor to manually lube a combine once a day**

½ hour per day	Time required to do the job right with a Lincoln grease gun
<u>X 20 acres</u>	Acres harvested per hour
10 acres lost	Additional acres that could be harvested instead of lubing
\$14.00	Net income per acre
<u>X 10</u>	Acres lost
\$140.00	Net income lost per day
\$140.00	
<u>X 30 days</u>	Days of operation during harvest
<b>\$ 4,200.00</b>	<b>Annual Cost for daily manual lubrication, not including hourly rate of operator.</b>

### **Unplanned Down Time:**

**Costs related to a failed component (hopefully it doesn't) take as long as the example but we were told these are realistic numbers)**

Replacement of one Fan Variable Pulley bearing	
\$ 18.00	Material cost for replacement bearing)
\$ 60.00	Labor to repair - 2 hours @ \$30.00
+ <u>\$1,400.00</u>	Missed income - 5 hours X 20 acres/hour X \$14/acre
<b>\$1,478.00</b>	<b>Actual Cost to repair failed bearing</b>
<b>\$5,678.00</b>	<b>Total Cost of Lubrication Related Down Time</b>
<b>\$ 3,000.00 - \$ 4,000.00</b>	<b>Cost of an installed Quicklub Kit</b>
<b>\$ 2,578.00 - \$ 3,578.00</b>	<b><u>Annual</u> Net Savings with Quicklub</b>

# This is what Combine Owners and Operators have to say about Quicklub:

*“We had no bearing repairs or failures after 800 hours of separator time on our combine with the Quicklub system. I plan to use Quicklub on our next combine.”*

*Greg Thurman, Thurman Harvesting*

*“I’m on my combine first thing in the morning, while the other operators are lubing. They then usually change their clothes before spending 15 hours in the cab.”*

*James Best, Thurman Harvesting*

*“It’s a great system. Every day my combine is ready to go. I would like to see it on every combine.”*

*Vic Schoenberger, Figgins Harvesting*

*“This is my second season with Quicklub. The system functioned well and kept me in the cab. It really grows on you.”*

*Ken Knapp, Owner Operator*

# Taken from Successful Farming August 2003

## *“Put the heat to harvest”*

By Dave Mowitz, Machinery Editor

### Idea 2

### Automatic greasing saves time, prevents breakdowns

**W**hen Ken Knapp was approached to put an automatic greasing system on his Case IH Model 2388, the Magnolia, Illinois, farmer's first thought was, "It's a great idea, but I doubt if it is cost effective."

Today, two years after working with the system, Knapp won't own a combine without automatic lubrication. "In the morning I check the grease reservoir, get in the combine, and go. I'm convinced it has saved downtime by preventing bearing failure."

Until recently, automatic greasing equipment was mostly found on forage and cotton harvesters, and balers. Lincoln Industrial, the only company currently offering such equipment in the U.S., saw the



**Automatic greasing systems (like the Quicklube) are plumbed directly to grease points and dole out lubricant at set intervals.**

potential in combines and worked with Case IH and John Deere to design systems for their harvesters.

The system is fully automated. It utilizes an electric pump that draws grease from a reservoir and sends it

through tubing to a manifold of metering pistons. These pistons accurately dole out grease (sometimes as often as every 20 minutes) to grease points.

As a result, critical wear surfaces in bearings and pins are consistently lubricated, and grease seals are maintained, blocking out chaff and other crop contaminants.

Research using automated grease systems in the mining industry has resulted in a 50% reduction in bearing repair.

Lincoln's Quicklube is offered on Case IH 2300 and 2100 series and John Deere STS combines. Installed by a dealer, prices start at \$3,500.

For more information, contact Lincoln at 636/305-9581 or [www.lincolnindustrial.com](http://www.lincolnindustrial.com). ■

**Contact your John Deere Dealer to order Quickclub**

**At the end of the day.....you'll be glad  
you did.**

