



# Automated Lubrication on Combines



## The Payback

Dealers and farmers have told us about the true “costs” related to manual lubrication of combines. We knew costs existed but based upon their experience and the calculations reflected below, we confirmed that over \$5,500 is spent each year for daily lubrication and repairs – money that can be saved by using Lincoln automated lubrication systems!

## The Analysis

### Planned Down Time: Labor to manually lube a combine once a day

1/2 hour per day	Time required to do the job right with a Lincoln grease gun
x 20 acres	Acres harvested per hour
10 acres lost	Additional acres that could be harvested instead of lubing
\$ 14.00	Net income (Harvested acre of wheat – Plains)
x 10	Acres lost
\$ 140.00	Net income lost per day
\$ 140.00	Days of operation during harvest
x 30 days	
<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

Replacement of one Fan Variable Pulley bearing	
\$ 18.00	Material cost for replacement bearing
\$ 60.00	Labor to repair – 2 hours @ \$30.00
\$ 1,400.00	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 Downtime</b>
\$ 3,000.00 – \$ 4,000.00	Cost of an installed Quickclub® Kit

**\$ 1,678.00 – \$ 2,678.00 First Year Net Savings with Quickclub®**

**\$ 5,678.00 Annual Net Savings Every Additional Year of Ownership**



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