

# DIAMOND® EHT PINS FOR LEGUME HARVESTER APPLICATION

## CHALLENGE ▼

A leading vegetable harvesting company was experiencing premature chain wear on its legume picking machine. In order to harvest these vegetables, roller chain comes in direct contact with dirt, which in turn causes an excess buildup of debris in the pin/bushing joint. This excess dirt eventually caused the competitor's chain to fail by wearing down the components.

## SOLUTION ▼

To solve the issue, Diamond experts recommended our EHT pins. EHT (Enhanced Hardening Treatment) pins are an optional heat treatment process available on most carbon steel Diamond® roller chains. EHT pins have undergone a unique case-hardening process that maintains the pin hardness in high speed, high temperature or abrasive environments. These difficult environments can reduce the hardness of a typical pin, resulting in decreased wear performance and life. As such, EHT pins offer superior wear performance.

## RESULTS THAT MATTER ▼

After switching to Diamond® chain with EHT pins, wear life increased from 10 weeks to 16 weeks. This increase saved the harvesting company \$3,640 after one year and is projected to save \$18,200 after five years.



Chain Life

**+6 Weeks**

Annual Savings

**\$3,640 per machine**