Roofing Company
USA
Application: Looper Chains
Product: Castrol LubeCon Series 1/FE
FIRST YEAR SAVINGS $82,200.00

THE SITUATION

Company was replacing Looper chains on a yearly basis. These chains were making noise and popping over the sprockets. Castrol was challenged to lubricate the chains, eliminate chain noises and extend the chain life.

BEFORE

• Looper chains ran dry with no lubrication

• A powdered graphite material was manually sprayed on the chains. This was done to help quiet the chains and to try and extend chain life.

• The Looper chains were lasting less than one year.

• The Looper chains ran noisily and the meshing between the chain and sprocket was rough.

AFTER

• Castrol installed a new LubeCon chain lubrication system utilizing Castrol LubeCon Series 1/FE oil.

• Off cycles were set between 25-30 and on cycles were set at one.

• One on cycle lubricated one rotation of the chain.

• After the LubeCon system was installed the noisy chains quieted down and ran smoothly around the sprocket.

• With the Lubecon lubrication system in place the Looper chain life was increased to two and a half to three years.

THE SOLUTION

• **The right Lubricant for the right application.**

• **The chain lubrication system is monitored by Castrol's LubeCon Technical Sales Representative via by- monthly system inspections.**

Castrol LubeCon system greatly extends Looper chain life.

Previous conditions

- Looper chain life was less than one year.
- Looper chain cost: $80,000.00
- Man hours to change out chain: 8 hours.
- Labor to change out chain: Five men at $55.00 per hour is $2,200.00
- **Total cost for one year: $82,200.00**

Current LubeCon system

- Looper chain life extended to two and a half to three years.
- Lubricant now being applied to all critical areas of chain.
- **Total costs for one year: $0**

Estimated cost savings for one year: $82,200.00
Estimated cost savings over three years: $246,600.00

Additional non-measurable savings
- Regular onsite Castrol technical support to ensure control of cost and program success.
- Data collection to identify potential process problems.

CASE STUDY

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