PETRON® CORPORATION

EASY BAR™ IN THE CEMENT INDUSTRY

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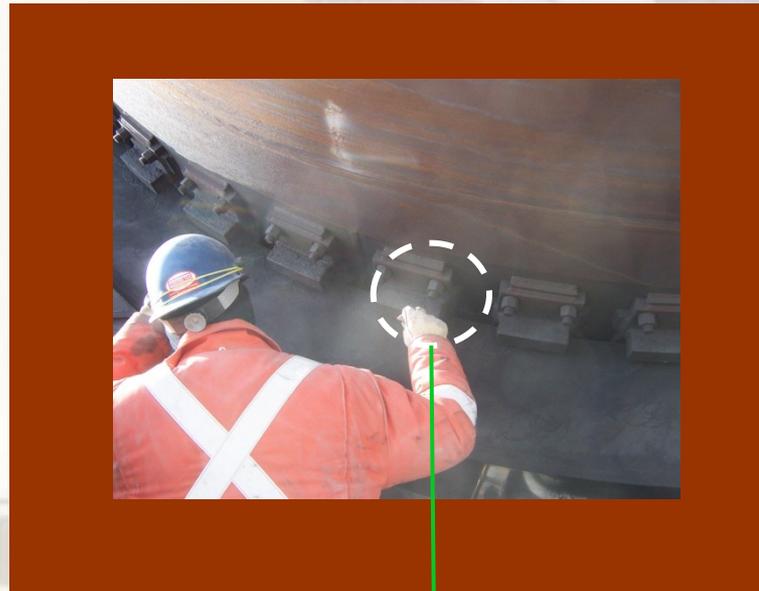# KILN TIRE LUBRICATION

(Previous Method)

- **Lubricant stored on kiln pier.**
- **Pump needed to apply lubricant.**
- **Compressed air needed to apply lubricant.**
- **Container moved from kiln tire to kiln tire.**

- **Air lance used to apply lubricant.**
- **Lubricant physically sprayed into slot.**
- **Back spray into operators face common.**
- **Over spray of lubricant through slot common.**

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KILN TIRE LUBRICATION
(Easy Bar™ In Service)

Easy Bar™ installed in tire slot every quarter turn (uphill rotation of kiln)

COMPARISON OF KILN TIRE LUBRICATION

PREVIOUS METHOD:

1. Lubricant stored on kiln pier.
2. Pump needed to apply lubricant.
3. Compressed air needed to apply lubricant.
4. Container moved from kiln tire to kiln tire.
5. Air lance use to physically spray lubricant into slot of kiln tire.

CURRENT METHOD:

1. Easy Bar™ stored inside plant.
2. Pump not needed to apply Easy Bar™.
3. Compressed air not needed to apply Easy Bar™.
4. Easy Bar™ is hand carried by operator from kiln tire to kiln tire.
5. Easy Bar™ is hand applied by operator into angular slot of the tire.

RESULT

IMPROVEMENT:

1. Easy Bar™ stored inside plant.
2. Pump not needed to apply Easy Bar™.
3. Compressed air not needed to apply Easy Bar™.
4. Easy Bar™ hand carried by operator from kiln tire to kiln tire.
5. Easy Bar™ hand applied by operator into angular slot of tire.

ACCRUED BENEFITS:

1. ISO - Lubricant is in a climate controlled environment.
2. Asset - Pump can be redeployed to other areas of the plant.
3. Safety - Compressed air hoses no longer stored on pier of kiln.
4. Labor - Application time reduced by three hours per week:

   - Previous method required two applications
     per week at two hours per application (four hours total).

   - Current method requires one application
     per week at one hour per application (one hour total).

   - Elimination of back spray into face of operator
     and overspray of lubricant through slot of kiln tire.