CASE STUDY

• Quality Improvement: Enhanced weave quality by effectively reducing friction and premature wear and tear on leather straps

• Reduced Downtime: Dry film properties of LPS 1® minimized dust accumulation and decreased product usage, leading to a cleaner work environment with less time spent on machine maintenance

• Cost Savings: Significant reductions in scrap, product usage, and downtime resulted in estimated annual savings of $12,000

PRODUCT

LPS 1® Greaseless Lubricant

BOTTOM LINE

Enhanced Efficiency and Quality in Sewing Machinery Operation

General Manufacturing – Industrial Knitting and Sewing

APPLICATION

• Lubrication of spindles, supported by leather straps for flexibility, on 75 industrial sewing machines used for weaving seat belts, body armor straps, and elastic webbing for medical braces

ISSUE

• The sewing machine spindles were rapidly wearing down leather straps due to excess friction, disrupting the knitting and sewing process with increased instances of misalignment and product defects. To reduce friction, the customer was using 1 drum a month of retail lubricant with a wet formula that attracted dirt and debris, further contributing to increased downtime for additional cleaning and re-lubrication.

SOLUTION

• LPS 1® Greaseless Lubricant

RESULT

• Switching to LPS 1® Greaseless Lubricant significantly reduced the friction and wear on the straps, improving the quality of the weaving. Its dry film properties also minimized dust and debris buildup, resulting in a cleaner work environment and reduced maintenance. Lubricant consumption dropped from one 55-gallon drum per month to just 2 cases of aerosols, leading to considerable cost savings!

AVAILABLE PRODUCTS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Net Contents</th>
<th>Container Type</th>
<th>Units/Case</th>
<th>Approximate Case Weight</th>
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<tbody>
<tr>
<td>00116</td>
<td>11 wt oz / 312 g / 369 mL</td>
<td>aerosol</td>
<td>60</td>
<td>19 lbs</td>
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<tr>
<td>00122</td>
<td>20 fl. oz. (591 g) Trigger</td>
<td>trigger</td>
<td>12</td>
<td>18 lbs</td>
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<td>01128</td>
<td>1 gal. (3.78 L)</td>
<td>bottle</td>
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<td>33 lbs</td>
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<td>5 gal. (18.93 L)</td>
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<td>00155</td>
<td>55 gal. (208 L)</td>
<td>drum</td>
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<td>418 lbs</td>
</tr>
</tbody>
</table>

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