



CASE STUDY

VALUE PROPOSITION

- **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

Part No.	Net Contents	Container Type	Units/Case	Approximate Case Weight
00116	11 wt oz / 312 g / 369 mL	aerosol	60	19 lbs
00122	20 fl. oz. (591 g) Trigger	trigger	12	18lbs
01128	1 gal. (3.78 L)	bottle	4	33lbs
00105	5 gal. (18.93 L)	pail	1	39lbs
00155	55 gal. (208 L)	drum	1	418 lbs



CONTACT YOUR ITW PRO BRANDS REPRESENTATIVE TODAY!

800.241.8334 | www.itwprobrands.com/brand/lps

©2024 ITW Pro Brands • LPS[®] and LPS 1[®] are registered trademarks of Illinois Tool Works • All Rights Reserved • LILPSC024 • 240426