

UPGRADE TO LOVEJOY® QUICK FLEX® LEADS TO MAJOR SAVINGS

CHALLENGE ▼

A pumice production facility in Pueblo, Colorado, was experiencing high maintenance costs and increased service requirements associated with a gear coupling used on a critical ball mill pinion drive. The existing coupling required 32 pounds of grease and 24 labor hours for maintenance twice annually. In addition to the ongoing lubrication expense, the facility was seeking a more reliable coupling solution that could reduce maintenance demands, minimize downtime risk, and improve overall operational efficiency in this essential production application.

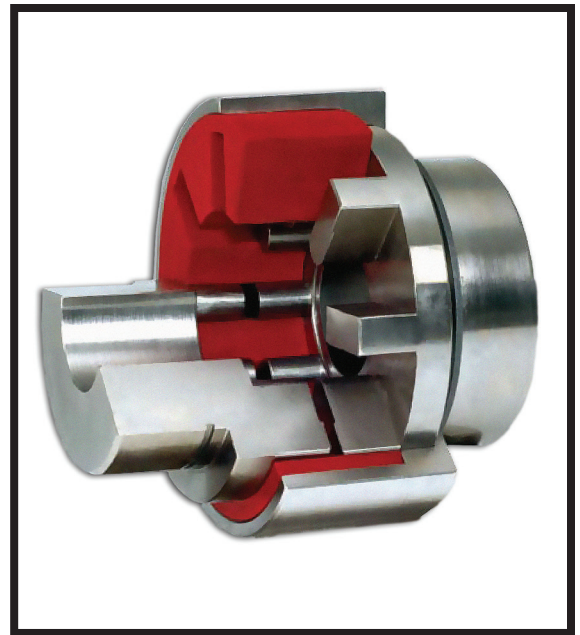
LOVEJOY SOLUTION ▼

Lovejoy recommended replacing the existing gear coupling with a Lovejoy QUICK FLEX® QF22480 coupling. By eliminating the need for lubrication, QUICK FLEX removed the recurring costs associated with grease consumption and maintenance labor. Its advanced elastomeric design helped absorb operating variations, reduce vibration, and enhance equipment reliability. The upgrade provided maintenance personnel with a low-maintenance, dependable solution that reduced downtime exposure while supporting continuous operation of this critical ball mill system.



RESULTS THAT MATTER ▼

	COST	SAVINGS
Downtime Gear	24 HRS X (\$833/HR) X 2 Cycles = \$40k	\$30K
Downtime QUICK FLEX	6 HRS X (\$833/HR) X 2 Cycles = \$10k	
Maintenance Gear	24 HRS X (\$260/HR) X 2 Cycles = \$12.5k	\$9.4K
Maintenance QUICK FLEX	6 HRS X (\$260/HR) X 2 Cycles = \$3.1k	
Grease Gear	\$460 X 2 CYCLES = \$920	\$0.9K
Grease QUICK FLEX	Lubrication-Free = \$0	
TOTAL SAVINGS		\$40.3K



The Lovejoy team applies their knowhow to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including couplings, rubber suspension, hydraulic components, and related mechanical power transmission products.