

TIMKEN HELPS SAVE \$2.6 MILLION THROUGH DOWNTIME ELIMINATION

CHALLENGE ▼

A Wyoming mining company sought to overcome ongoing maintenance challenges in its overland head pulleys. Non-standard undersized pulley shafts necessitated the need for thick cross section adapter sleeves. This design did not allow for the necessary reduction in clearance (RIC) for its bearings, resulting in quarterly bearing rotation, subsequent annual replacement and, ultimately, costly downtime.

TIMKEN SOLUTION ▼

The Timken engineering team identified its Timken® SAF Split-Block Housed Unit pillow block solution, providing adequate RIC without fundamentally altering the design of the application. The Timken solution provided five years of performance with no need for maintenance attention.

RESULTS THAT MATTER ▼

- Drastically improved bearing performance and life
- Eliminated 34 hours of downtime over five-year period
- \$2,655,570 in total savings

DOCUMENTED SAVINGS RECORDED		
	Elimination	Savings
Downtime	34^{HRS} AT \$78,000/HR	\$2,652,000
Labor	102^{HRS} AT \$35/HR	\$3,570

TOTAL RECORDED SAVINGS OF
\$2,655,570



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The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, belts, brakes, clutches, chain, couplings, gears and related mechanical power transmission products and services.