

# 6 YEARS OF COMBINED WORKING DATA SHOWS REMARKABLE PAYBACK



## Testimonial Cloud Peak Energy

*"The Applied Fiber pendants are a true step change in dragline technology. We converted the Marion 8229 in 2016, and 8233 in 2017, and a BE1570 lot 12 in 2018 – **all of which have nearly eliminated fatigue cracks and welding while smoothing out the machine operation.***

*On the first 8200, key 29, we effectively **increased bucket capacity 2 cu yards** (due to increase in soil density) and have had **no boom cracks or issues operating for three years**, a noteworthy change from prior years. The machine swings well and has noticeably less bouncing and vibration.*

*The second 8200 is the dragline shown in the side-by-side fiber versus steel comparison. This machine was getting beat up and **we replaced the steel two years early and increased the payload by 5 cu yds (from 82 to 87 cu yds)**. Since installing the pendants on this machine two years ago, we have had no welding from boom fatigue. This machine now operates **much smoother due to the lack of pendant bouncing and overall system damping.***

*On the 1570, the machine is running much smoother with **significantly less fatigue**. We would **typically see regular cracks in boom nodules #8, #10, and #14... creating 1-2 weeks downtime a year**. Since installing fiber pendants one year ago – **we have yet to have cracks in this region**. We estimate that **we have already gained 1-2 weeks production in the first year of operation.***





Three machines **spanning a combined use of 6 years without fatigue cracks and welding is a remarkable feat...** especially considering we also increased RSL on two of the machines and plan to increase the 1570 bucket by 2 cu yds as well this Fall 2019.

Visitors can see the difference from a distance and **our operators appreciate how much it quiets the machine down.** One of our operators went from having numb hands at the end of a shift to having no issues – the difference both in the cab and outside the machine is very noticeable. **Putting a low-mass dampener into the boom makes all the difference.**

More production, less wear & tear, less welding and downtime, and much smoother operation – Cloud Peak is pleased with what these pendants have done for our draglines. We **forecasted just under a two-year ROI and actual performance has met and in many cases exceeded our predictions.**

*Wade Steiger, Manager Inspection Services, Cloud Peak Energy*

## VIDEOS



*See the fiber pendants perform on a Marion 8200 dragline*



*Side by side comparison*

## TRUSTED PERFORMANCE

Applied Fiber is the most trusted company for terminated synthetic fiber systems worldwide. Our products are utilized where performance, reliability, and quality are essential. We deliver engineered tension systems for production and specialty applications across Defense, Offshore Oil and Gas, Mining, Medical, Commercial Marine, Energy, Industrial, and OEM markets, among others.

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