Case Study: Garlock Industrial Hose w/ ABRA-LINE® for Discharge - Water Well Drilling

INDUSTRY
Water Well Drilling

CUSTOMER
Midwest Well Drilling Company

BACKGROUND
The customer specializes in well water drilling, geothermal and water quality testing. Families in Wisconsin rely on residential wells for their drinking water and have also discovered the benefits of clean free energy. Established in the early 1960's the company introduced the rotary drilling method as a more efficient way of drilling a well.

CHALLENGES FACED
The rock, sand and mud in a well drilling system that is discharged via compressed air is extremely abrasive. Although the pressure when well drilling is low, the velocity is very high causing the abrasive media to destroy the competitor's rubber industrial hose in 3-6 months or less. When a hose failure occurs the company is forced to stop drilling and must source and change the hose regularly.

OPERATING CONDITIONS
Size: 5.000"ID x 20.000' long
Temperature: Ambient
Application: Rock, sand and mud
Pressure: Low pressure, high velocity

SOLUTION AND BENEFITS
Due to its unique abrasion resistant properties, the customer began using a trial Garlock Industrial Hose with ABRA-LINE® for discharge in May of 2018 on a drilling truck during a typical maintenance cycle. After 12 months of service, the customer commented that it seems to be indestructible and can withstand anything that they do to it. The service life has improved 8-10 times over the previous hose. The customer is now looking to reduce the handling weight for the operators and still maintain service life improvement. Garlock Industrial Hose with ABRA-LINE® for discharge resulted in a safety and cost improvement for their fleet.

For more information, please visit:
http://www.garlock.com

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