



Industry:
Mining

Application:
Conveyors

Problem / Requirement:
Operational jams or sudden stops without reliable overload protection result in low production rates and high costs and downtime if problems occur

Solution:
Autogard 820 torque limiter

Result:
Efficient and durable conveyor drive with minimal running costs and downtime in the event of a jam or sudden stoppages



Rexnord Autogard Torque Limiters Keep Material Moving

Mining conveyors move materials from mines to further processing areas as quickly and efficiently as possible. The distance from the mine to processing areas and beyond can be significant.

Reliable power transmission is critical in this application for the daily requirement of driving the conveyor. The power transmission system must also be protected from the inevitable jams and sudden stops on the conveyor line.

The Autogard® Series 820 has been designed to meet the emerging need for overload protection on very high torque drives in heavy industry applications. The torque limiter is designed using a modular principle which enables the trip torque capacity to be set to virtually any value. Individual torque limiting elements are mounted



around the periphery of the torque limiter. The torque capacity is then dependent upon the radius at which the modules are located and the number used. Each module is set to give repeatable and reliable disengagement in the event of an overload.

