

Gates belts available from:



CASE STUDY

Rydell
Rydell Industrial (Belting) Co
www.rydell.com.au

End Market Industry

Coal Wash Plant

Application

Roller screen
7.5kW @ 138rpm

Original Components

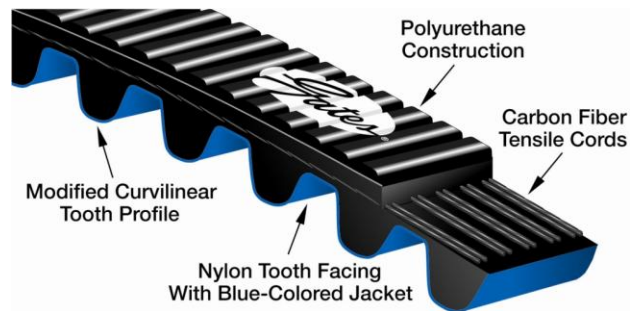
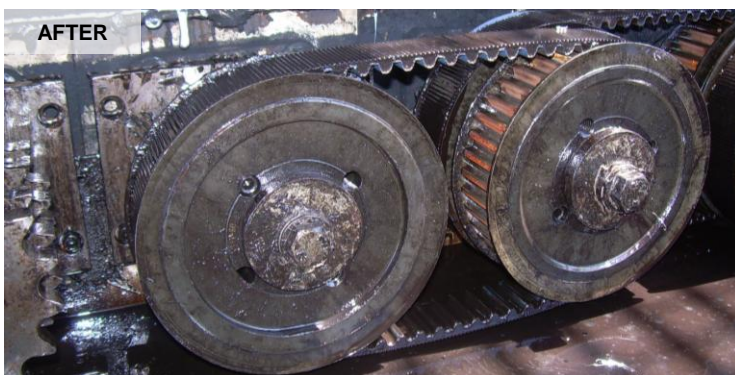
Chain = 16B duplex roller chain
DriveR Sprocket = 19 Tooth
DriveN Sprocket = 19 Tooth

Problem

The existing roller chain drives were stretching, breaking and needed to run in an oil bath or be heavily greased. 39 chains required replacement in one year on the screen.

Solution Description

Belt = 14MGT-994-37 Poly Chain[®] GT[®] Carbon[™]
DriveR Sprocket = 40 Tooth
DriveN Sprocket = 40 Tooth



Benefits of Gates Product

The Poly Chain[®] GT[®] Carbon[™] belts require no lubrication, however when first installed they were running in the oil bath without any issues.

The drives have run for 24 months without requiring any maintenance.

The success of the conversion has resulted in the screen manufacturer making this the original equipment design.

Submitted by: Neil Thomson
www.GatesAustralia.com.au/casestudies