

DAMAGED TETHER ROPE

November 2018



Description

Tether rope was pinched in anchor machine sheave housing resulting in severed strands. Rope required cutting and re-splicing.

Contributing Factors

Not enough room to bring 909 harvester to the top of the hill so had to reposition anchor to make space. In slewing the tether anchor machine with ropes still attached to felling machine, the ropes got caught on the stumps. The slewing motion coupled with tension on the ropes has resulted in the rope rubbing on the side of the sheave housing.

Prevention

Pay attention to rope tension out of the sheave and avoid it tensioning at too much of an angle as it can pull the rope up into the fairlead

Fairlead needs to be redesigned or replaced to avoid it happening again (discuss with manufacturer).



Discussion:

This event has occurred relatively recently and is still under investigation.



view from ground looking skywards through sheave