

EXCAVATOR ANCHOR TIPOVER

January 2018



Description

Winch Assist Machine (anchor) pulled onto its side by tethered feller buncher.

Contributing Factors

Harvester operator had parked up his machine on the hillside and got out of the machine to change the chain on the felling head. When he got back into the feller buncher he forgot to reset the winch set switch. He drove forward putting full pressure on the winch machine, causing it to rotate about the bucket and roll onto its side. Operator said that he simply forgot to turn winch on to automatic feed after getting back in.

Feller buncher was situated at a lead angle of approximately 17 degrees from the winch and on a slight slope (~8 degrees).

The anchor machine's track gear was perpendicular to line of pull. The distance between the track frame and bucket was between 8-9 m. No sheave at bucket.

Prevention

Design improved – additional sheave added to boom just above the bucket.

Further training in winch set up.

Engineering / system change to ensure winch is turned back into automatic feed