

Job Report – Your Reliable Customer Service

Boom Hoist Rope Tensioner

“Both of JCS’s LR 1300 SX crawler cranes have been operating with the boom hoist rope tensioner for a year now and the ropes are still showing no signs of crushing. One of them has been boomed up over 40 times.”

Ron Sims
Vice President of Operations
Jensen Crane Services Inc.



LIEBHERR



Situation

Wind power is expanding quickly in the United States and is currently the largest source of renewable energy there. The company Jensen Crane Services (JCS) specializes in the installation and maintenance of these giant turbines and

Task

Typically, the crawler cranes are erected, operated, dismantled and moved once a week, which means higher than average wear and tear on consumable parts. This was especially noticeable on the boom hoist ropes: after only a

Solution

Liebherr has designed a boom hoist rope tensioner that ensures the first rope layers on the boom hoist drum are wound with the correct tension. Thus, the rope remains tensioned during initial raising of the boom during erection and so the wear on the rope is reduced. JCS has been using the tensioner for a year. During this time, one of the

deploys, amongst other machines, two Liebherr crawler cranes type LR 1300 SX for the job. Each crane has a 272-foot long main boom and a 1507 windmill jib. Lifts are generally between 80,000 and 125,000 lbs.

few weeks, flat (crushed) spots on the first 2-3 layers on the drum could be observed. Ropes had to be exchanged after only 6 months or less. JCS approached Liebherr with the problem in order to find a satisfactory solution together.

cranes has been boomed up over 40 times and the other over 27 times. The ropes are showing no signs of crushing or requirements for replacement. Following this successful test period, the boom hoist rope tensioner will now be available for all LR 1300 from Liebherr.

Your local service partner

For further details about the boom hoist rope tensioner or any other of our wide range of retrofits, please get in touch with your local service partner.

