

Comparing Friction Force Between Track and Spline Using graphite, Mos2, PTFE, and Silicon Dry Lubricant

Authors : M. De Maaijer, Wenxuan Shi, and Dolores Pose, Ditmar, F. Barati

Abstract : Friction has several detrimental effects on Blind performance, Therefore Ziptak company as the leading company in the blind manufacturing sector, start investigating on how to conquer this problem in next generation of blinds. This problem is more sever in extremely sever condition. Although in these condition Ziptrak suggest not to use the blind, working on blind and its associated parts was the priority of Ziptrak company. The purpose of this article is to measure the effects of lubrication process on reducing friction force between spline and track especially at windy conditions Four different lubricants were implicated to measure their efficiency on reducing friction force.

Keywords : libricant, ziptrak, blind, spline

Conference Title : ICME 2023 : International Conference on Mechanical Engineering

Conference Location : Paris, France

Conference Dates : November 27-28, 2023