



AMERICAN

INDUSTRIAL TESTING

& ANALYTICAL LABORATORIES

February 26, 2008

Report No. - LO-FJ90062

Precision Saddle Tree
211 Hickey Street
Yoakum, TX 77995

ATTENTION: Thomas H. Stevenson

SUBJECT: Performance Test on saddletrees

ITEM DESCRIPTION: Rawhide, Kevlar and Saddle Trees

TEST DATES: November – December 2007 and January 2008

TEST METHODOLOGY: Performance testing was performed on the ten (10) saddletrees that you provided. The purpose of this testing was to compare the breaking strength of the saddletree based on the coating. Several techniques were performed prior to establishing a final technique for the testing.

The technique that was used during the Performance Test applied the load to the top of the saddle horn at a sixty (60) degree angle (+/- five (5) degree). This technique was the most real world comparison that could be performed in the laboratory.

There was no pre-determined failure criteria established. All trees were destroyed during the load test portion of the Performance Test.

RESULTS: During the Performance Test loads were applied in a slow and steady manner until each saddletree was destroyed or broken beyond usable means. The comparison of the two (2) tree coatings all had good results. The Rawhide average breaking strength was 5,804 lbs. based on consecutive loads of (6,263 - 7,400 – 3,750). While the Kevlar average breaking strength was 6,670 lbs. based on consecutive loads of (6,760 - 7,650 – 5,600). All loads are reported in pounds of direct pressure. Based on the above data we feel that the Kevlar having a much smaller breaking range is a more reliable and stronger coating to be used for saddle trees.

If we can answer any questions concerning this report or be any further assistance feel free to give us a call.

Respectfully Submitted,
American Industrial Testing

Will Jackson
Assistant Manager