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Big Water Test Data

Liquid Trans Hydro Mini
Closed Relay Test - Live Fire Training
Winfield, Maryland
May 2004

Facts & Figures...

- During May 2004, Larry Davis, VP of GBW Associates, LLC led a series of performance tests and operational demonstrations on the Liquid Trans Hydro Mini. This presentation is a brief summary of a performance test at a live fire training event.
- The test was conducted in Winfield, Maryland where the Mini was deployed at a creek to provide water supply for a house burning operation.
- The Mini supplied water to a 1,000 gpm mini-pumper through 600-feet of 5" hose. The mini-pumper then supplied a 5" hose to an LDH manifold that supplied three attack lines for the training exercise.
- The intent of the test was to allow the Mini to run for up to 6 hours supplying water to the mini-pumper. However, the diesel motor powering the Mini pump system overheated and the unit was not able to complete the test. But – the pump worked just fine.

The House



The Water Source



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Liquid Trans Hydro Mini Tests

Mini is Set-up



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Liquid Trans Hydro Mini Tests

Mini is Deployed



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Liquid Trans Hydro Mini Tests

Mini Supplies 5" Hose

Mini pump operating in shallow water supplies
5" hose run under the road through a culvert



Mini in Operation



Mini in Operation

The total lift for the operation was approximately 15-feet.



Hose Through the Culvert



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Liquid Trans Hydro Mini Tests

Road Kept Open



The Mini pumps the 600-feet of 5" hose that passes under the road via a culvert and therefore the road remained open.

Looking Toward the House



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Liquid Trans Hydro Mini Tests

Attack Pumper



1000 gpm mini-pumper

Attack Pumper



Manifold Used for Attack Lines



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Liquid Trans Hydro Mini Tests

Attack Lines



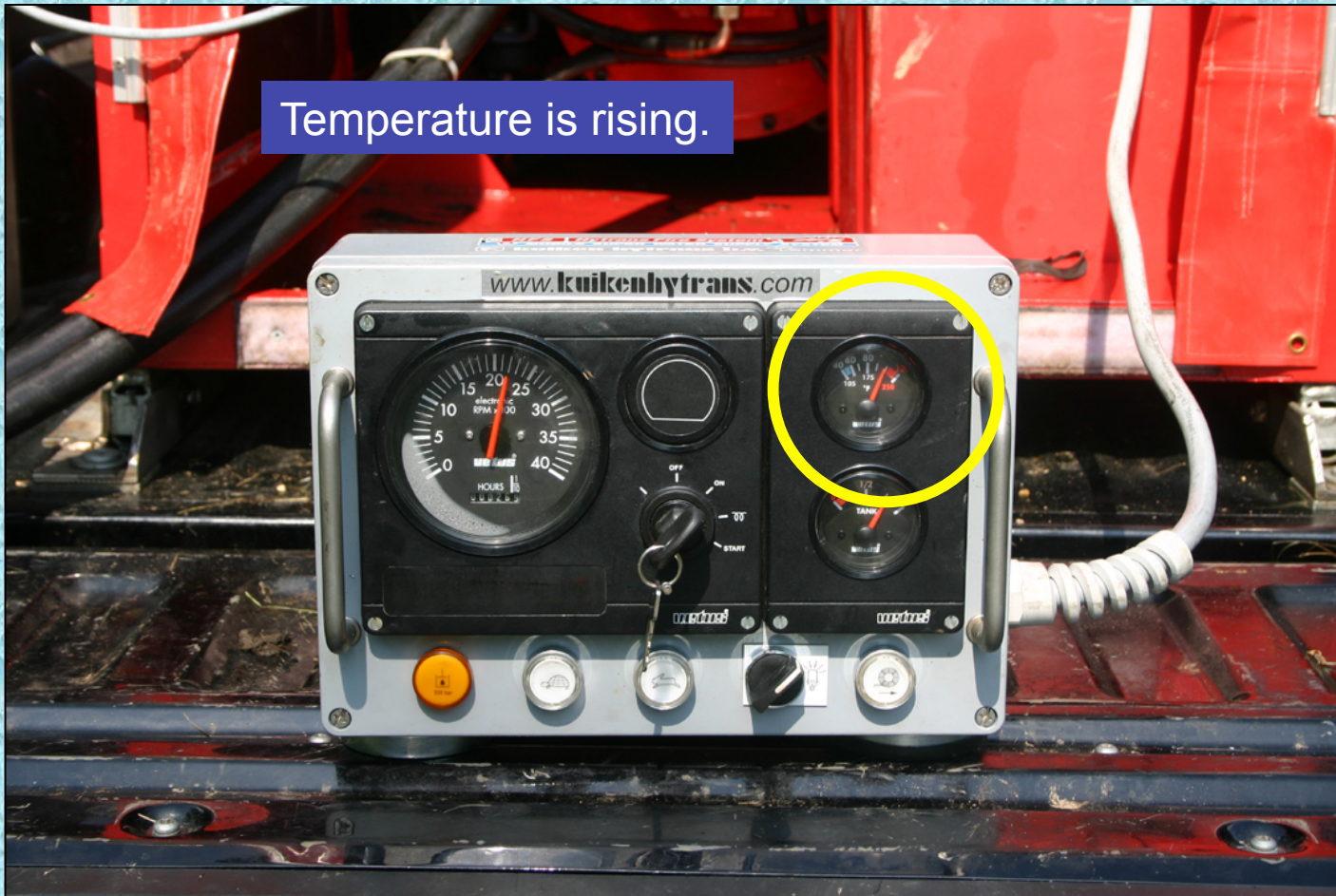
Fire Attack Underway



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Liquid Trans Hydro Mini Tests

Mini Control Module



Overheated





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