Chart MVE Tech Update

High-Performance Cork for Vapor Shippers

Figure 1 Regular Cork (Left) vs. High Performance Cork (Right)

Models Affected

11037386*	**CRYOSHIPPER MINI**
10508967*	**CRYOSHIPPER**
11015195*	**CRYOSHIPPER XC**
10777411	**IATA CRYOSHIPPER**
21007700	**CT-50 CRYOSHIPPER**
21000341	**CT-250 CRYOSHIPPER**

* including derivative part numbers for same tank

Chart MVE introduces the new High-Performance Cork into select Vapor Shipper models. The new High-Performance Cork was designed to protect shipments that, due to unforeseen circumstances, are shipped on their side. Chart does NOT recommend laying a tank on its side, and we do not list the horizontal performance as a spec as this is another continuous improvement over the previous design. The High-Performance cork includes a felt-like hydrophobic material to prevent LN2 vapor from escaping the tank in non-upright positions.

When a vapor shipper is shipped on its side, it can reduce the tank's static hold time by 90% or more. For example, Cryoshipper XC may last only one day in the horizontal configuration with the previous cork but with the High-Performance Cork it extends the static hold time to approximately one week. Out-of-position orientation of the various models with the high-performance cork will see an improvement in holding time, with that improvement being lesser as the neck tube diameter decreases.

The High-Performance Cork now comes standard on vapor shippers (implemented Apr 9th, 2019). High-Performance Corks can be retrofitted with old vapor shipper models utilizing the part numbers below.

High-Performance (HP) Lid Kit – Part Numbers

20552556	**CRYOSHIPPER MINI HP LID KIT**
20553315	**CRYOSHIPPER, CRYOSHIPPER XC, IATA CRYOSHIPPER HP LID KIT**
21007703	**CT-50 CRYOSHIPPER HP LID KIT**
21003472	**CT-250 CRYOSHIPPER HP LID KIT**

Always wipe condensate and water from the outside of the cork and the inside of the neck tube before inserting the cork into the dewar.

High Performance Cork Temperature Mapping

***NOTE: – Actual field results will vary.**

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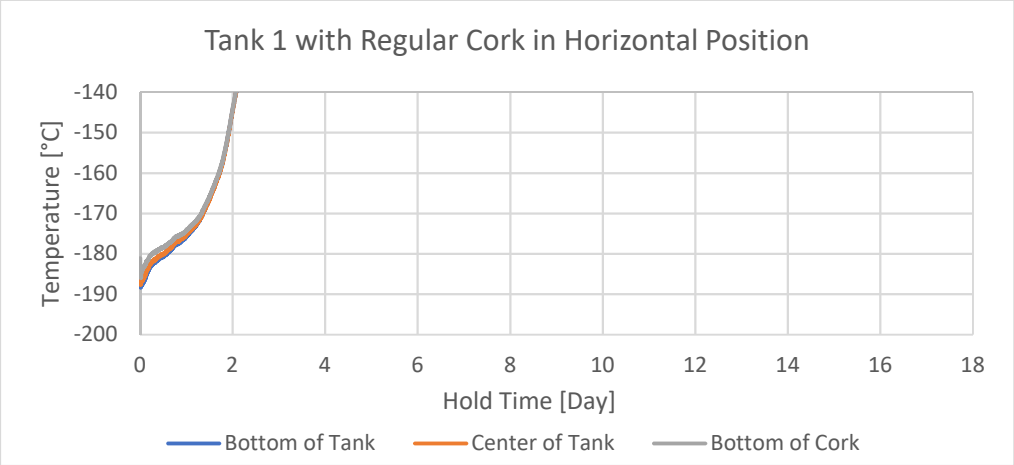

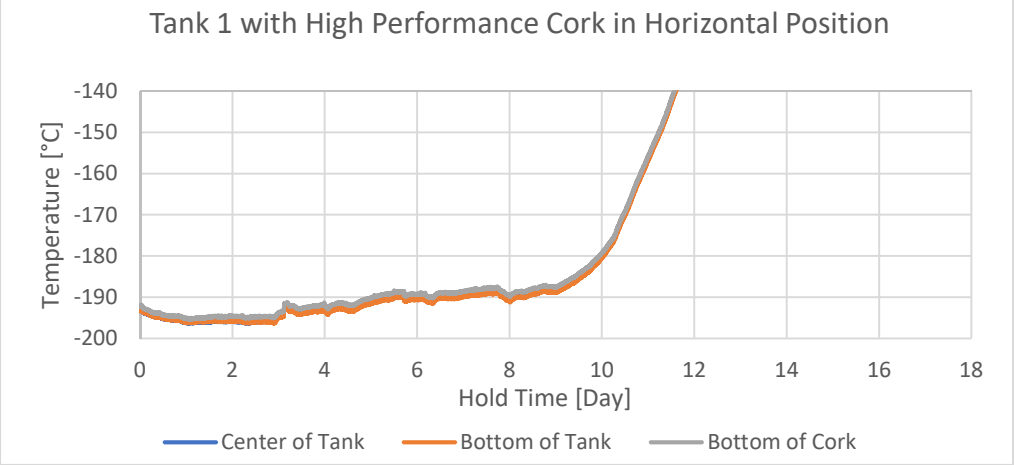

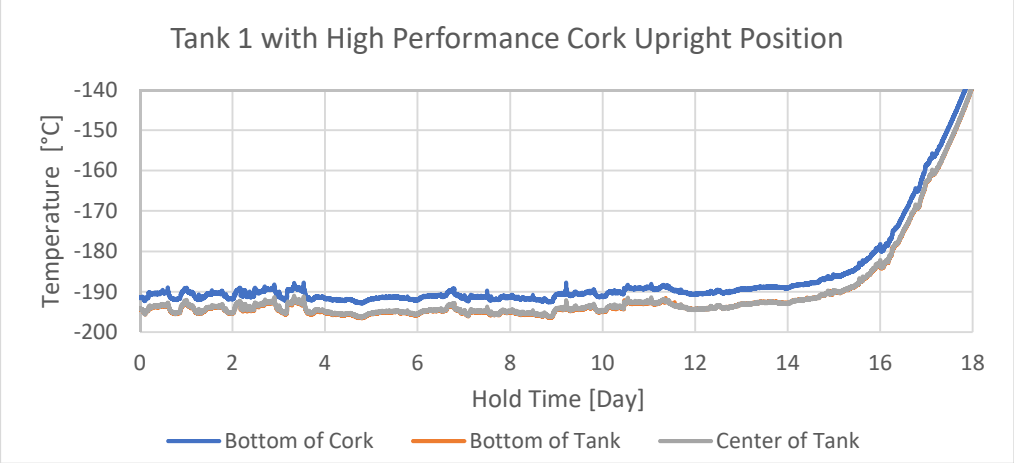

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