

The Chlorine Institute, Inc.
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CHLOREP Informational Bulletin:

KIT C Application with Next Generation Fittings

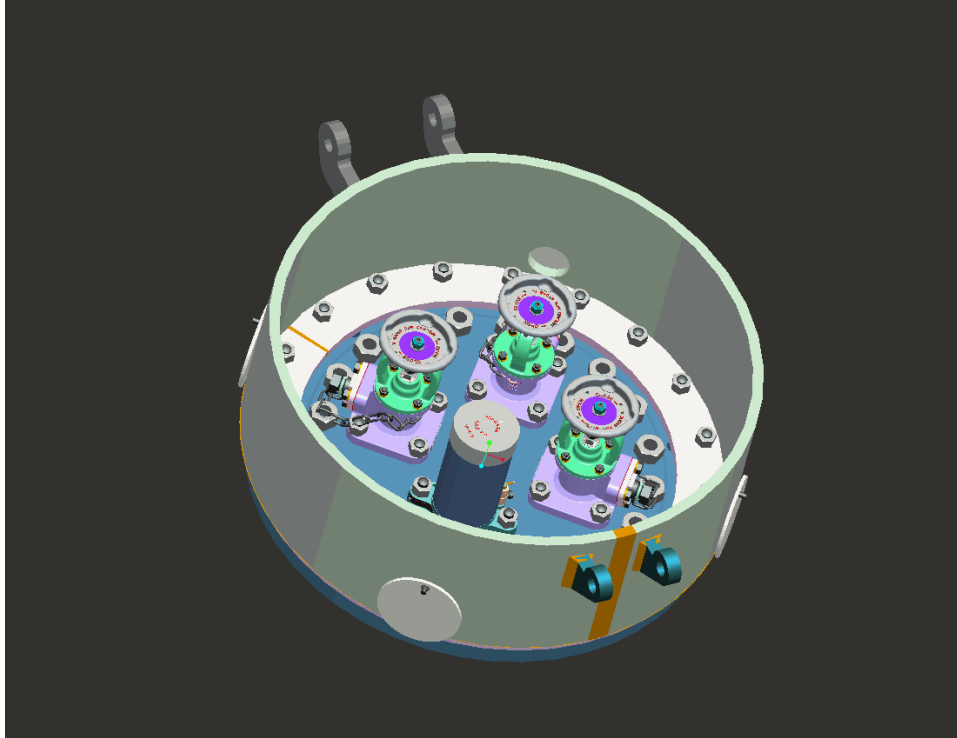
Over the next several months 25 chlorine tank cars equipped with valves on AAR Service Trial 422 will be placed into use. These cars are equipped with valve assemblies significantly different than those currently in chlorine service. The visible product and vapor valves are designed to open spring loaded check valves that are positioned under the fittings flange. This is very similar to the configuration used in some other services but is a significant deviation from what is typical for chlorine service. This new configuration is intended to reduce the likelihood of any product loss in an accident situation.

The procedure for application of the C Kit will need to be modified for rail cars with this valve assembly. On standard chlorine tank car and truck fittings the #6 can is used for vapor or liquid valve capping. **In the assembly under trial, because of modified vapor/liquid valve dimensions, the #24 can normally used for the pressure relief device must be used when capping the liquid or vapor valves.**

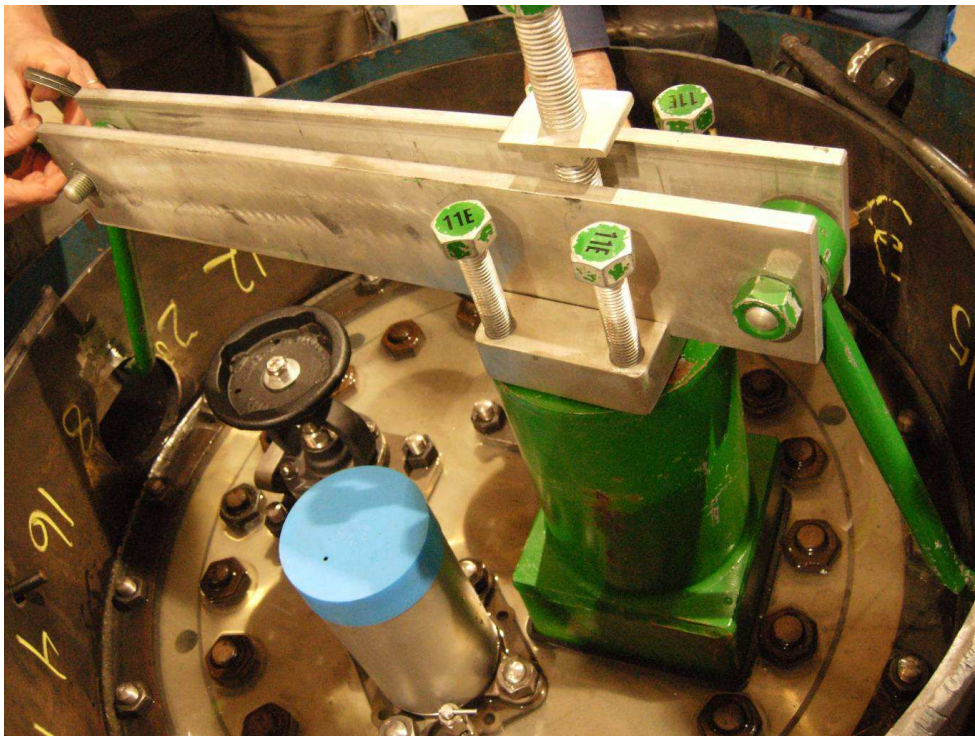
It is anticipated that the frequency of capping applications will be reduced even below that of the current design with this new configuration. However, it is important that all who might be called upon to respond to a car with this configuration are alert to the differences and the need to treat the application differently.

Rail cars that are part of this service trial will be marked with a service trial stencil ST-422. A decal in the fittings housing will also alert responders to the unique fittings. One unique feature of the new angle valves are their operation. The new vapor and liquid valves have a descending stem, which is necessary to activate and open the check valve. **This means that in the closed position, the angle valve will be at its highest point.** The operation of the valve is the same as current valves, left (counter clockwise) to open and right (clockwise) to close.

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Fittings Arrangement on Service Trial Cars



Modified Fittings with Kit Applied