

SERVICE AND APPLICATION NOTES

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H-15-01

13GEP Units Fueled by Natural Gas

DISCRIPTION OF ISSUE: There have been some field reports of early heat exchanger failures on 13GEP units fueled by natural gas. All 13GEP units were built with screens within the heat exchanger to meet Nox requirements in some states. Over time, the screens break down, allowing the flame pattern to widen and impinge upon the walls of the heat exchanger clam. This impingement could cause a crack to form in the metal heat exchanger.

The screen is removed during conversion of units fueled by LP gas. Consequently, this problem does not exist in LP applications.

SOLUTION: The 13GEP units are no longer in production due to the change in national efficiency standards. If you still have product in stock that you intend to install, it is recommended that the screens be removed. During annual servicing, it is recommended to look for screens within the heat exchanger. If a screen is present, it should be removed, if possible. If a natural gas unit is installed in an area that requires Low Nox equipment, the screens must be left in place. During service in these areas, check for any screen deterioration and replace the screen, if necessary.

