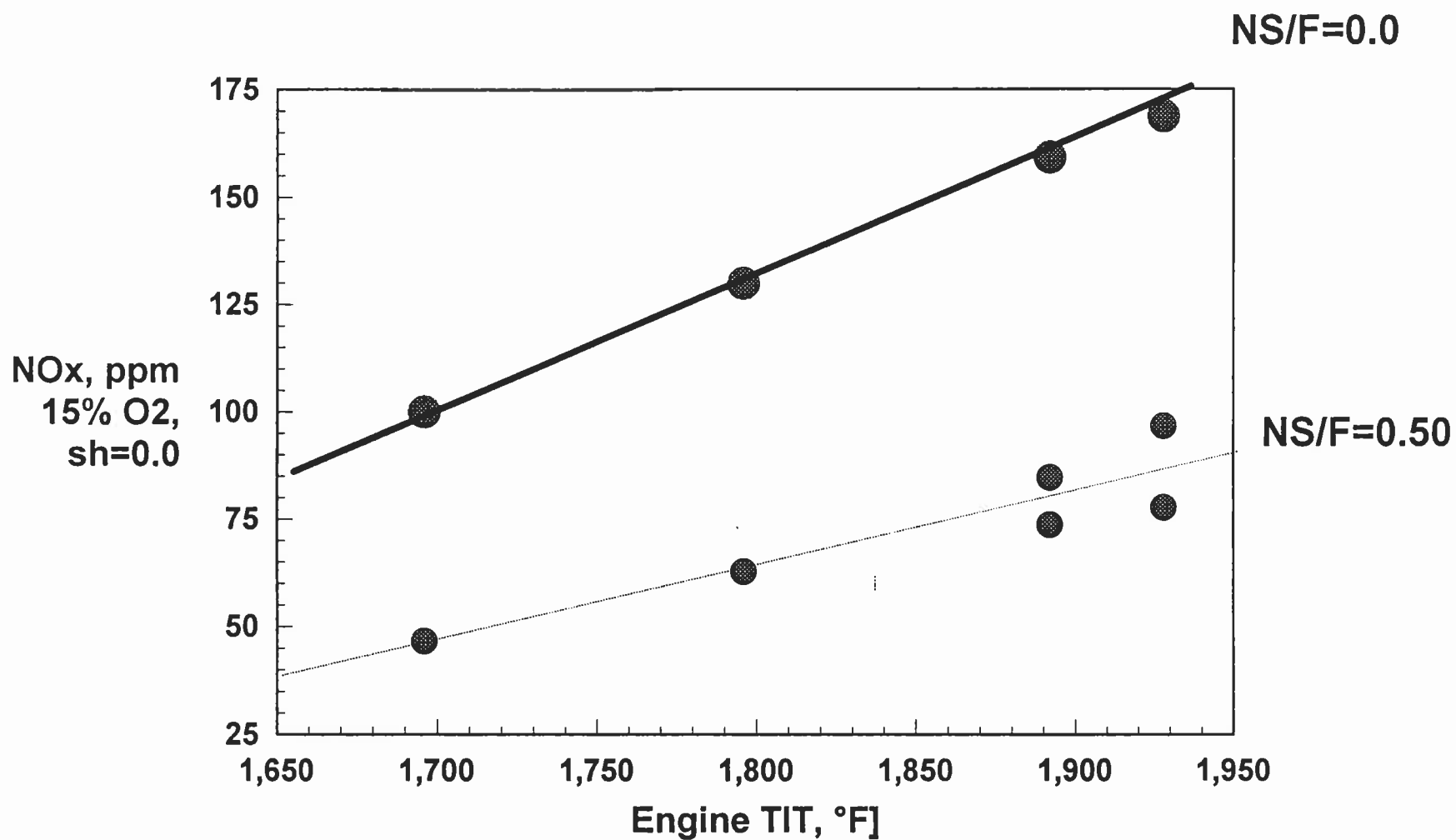


501-KH Engine Test

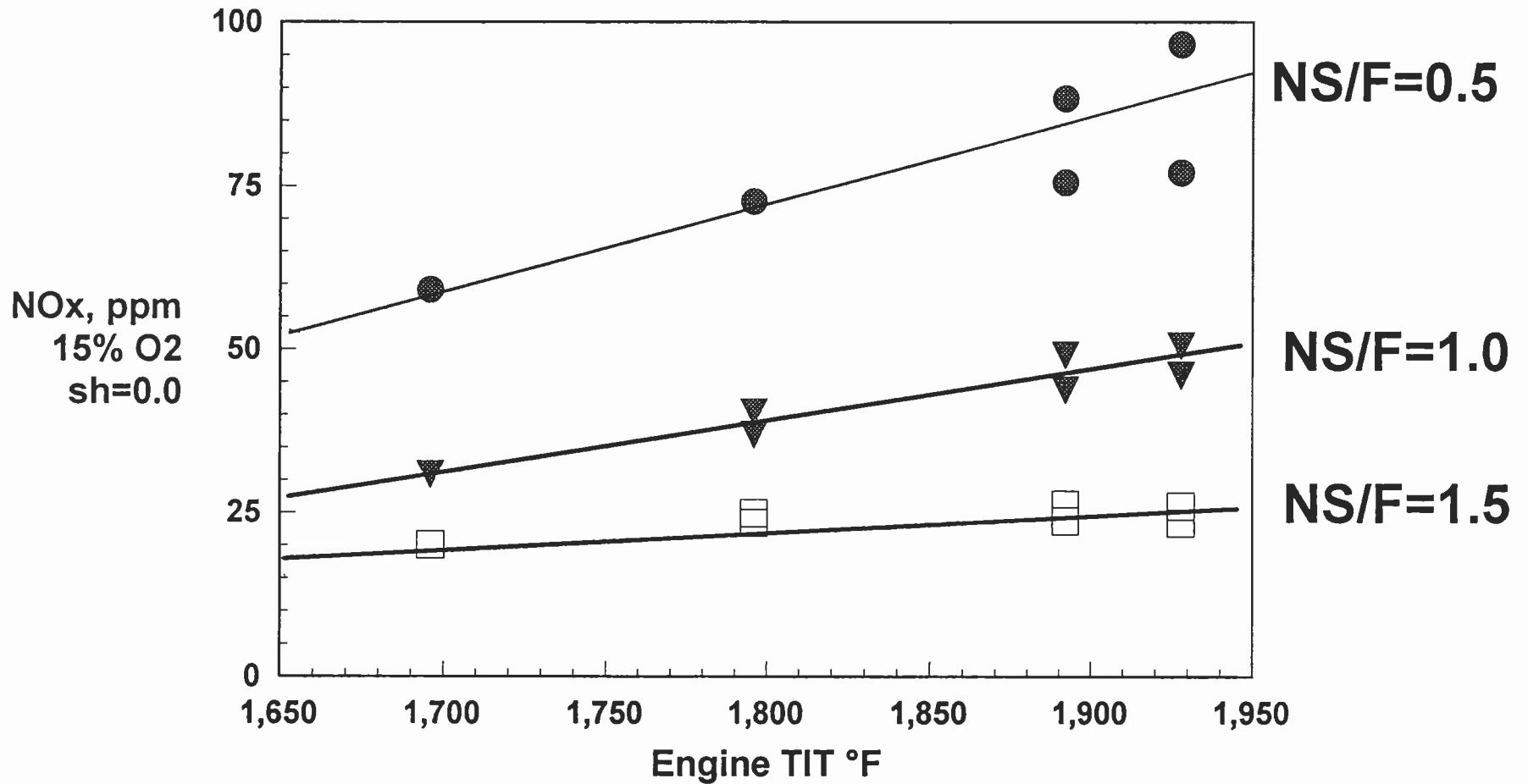
SRI: 1992

- **Dual Gas Nozzles.**
- **Natural Gas Operation.**
- **Case Steam Temperature: 900 F**
- **Nozzle Steam Temperature: 400 F**
- **Emission II Liners.**
- **Evaporative Coolers Turned Off.**
- **Steam Valve (Open/Closed Position).**

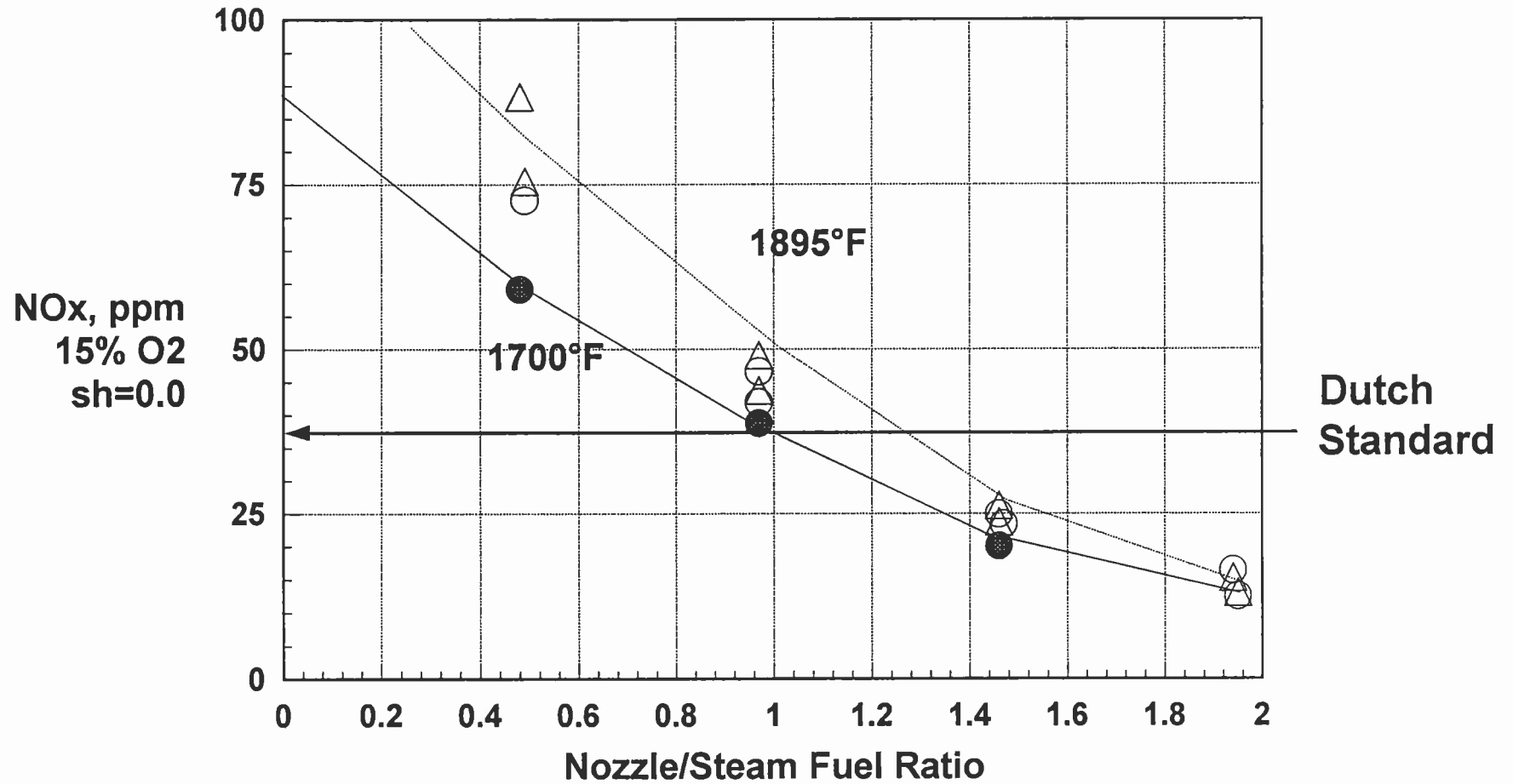
501-KH Nozzle Steam Injection No Case Steam Injection



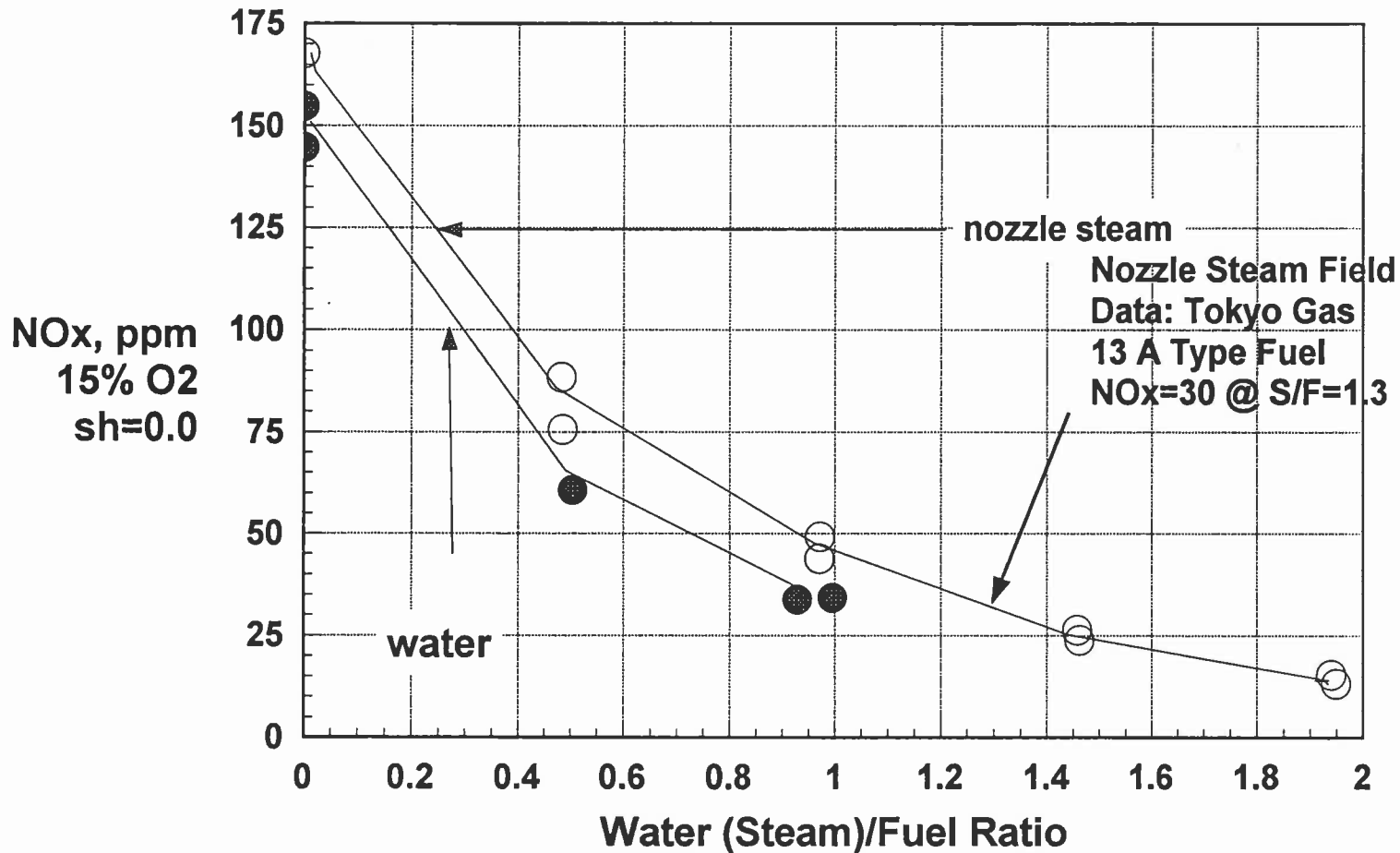
501-KH Nozzle Steam Injection No Case Steam Injection



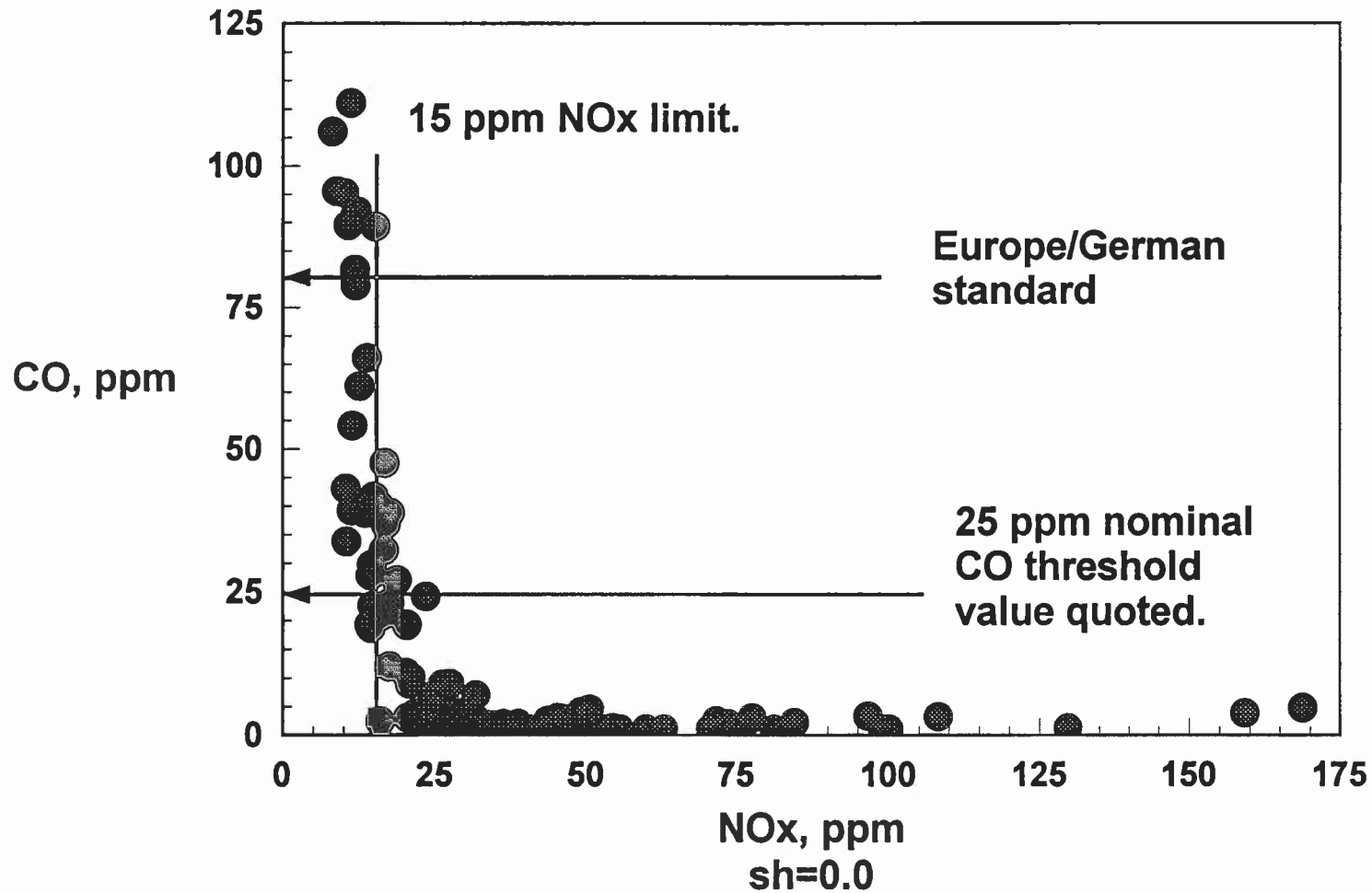
501-KH Engine Test Nozzle Steam Injection Only Natural Gas Fuel



501-KH Engine Nozzle Steam or Water Injection 1895 °F TIT



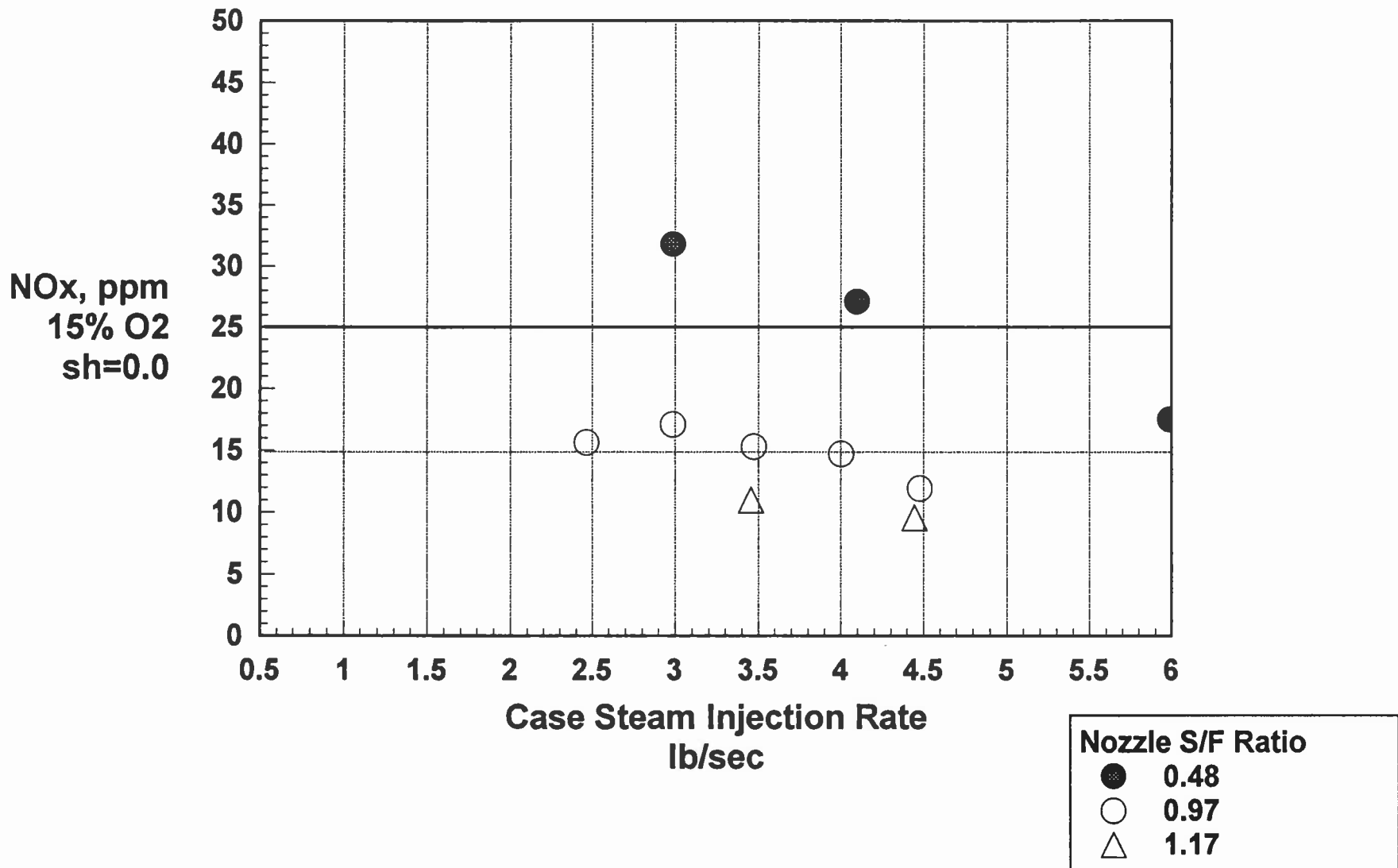
501-KH Engine Test SRI-Natural Gas Fuel NOx-CO Comparison With and Without Injection



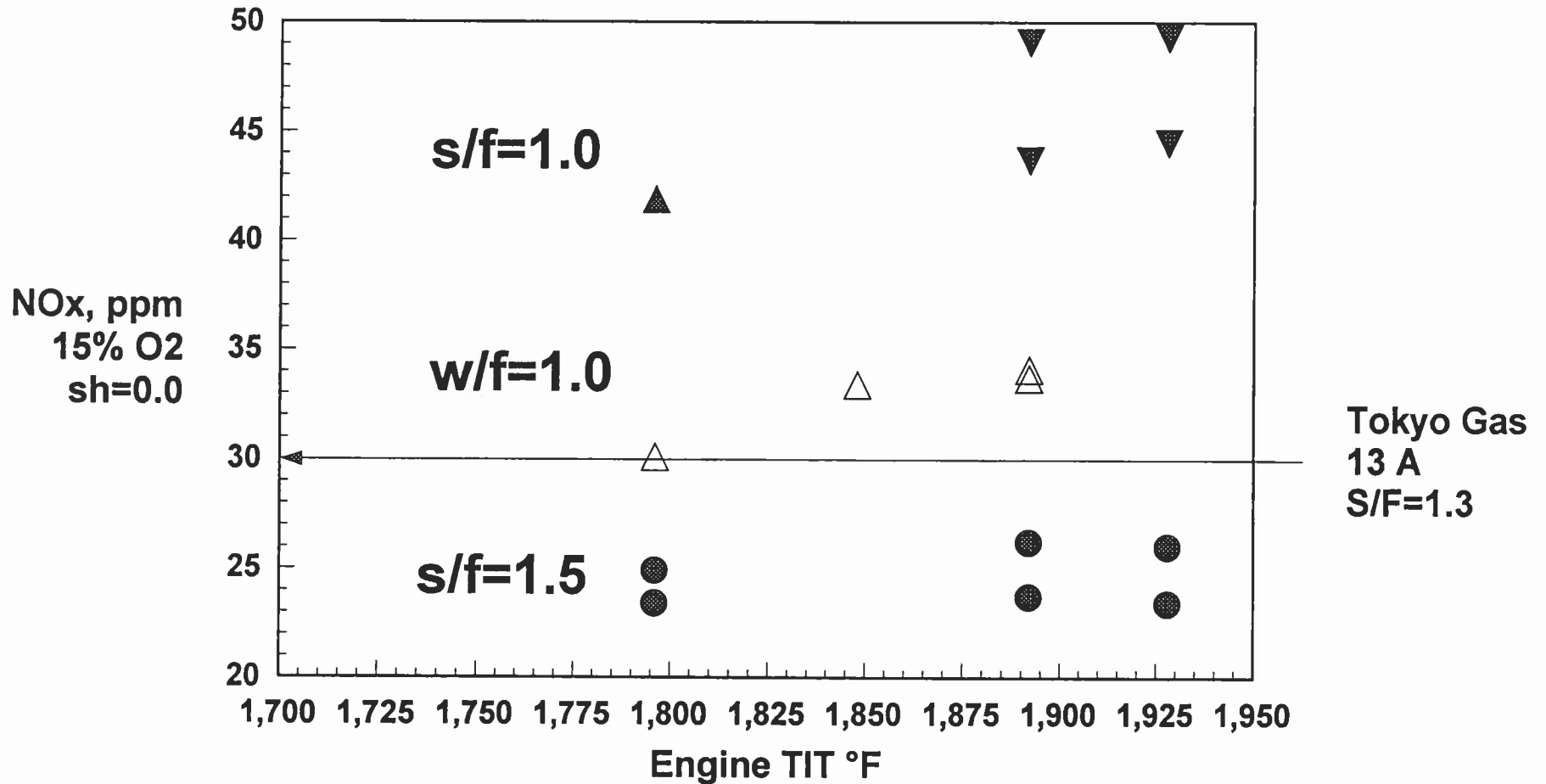
501-KH Engine Test

Combined Nozzle and Case Steam Injection

Steam Valve Open / 1895°F TIT

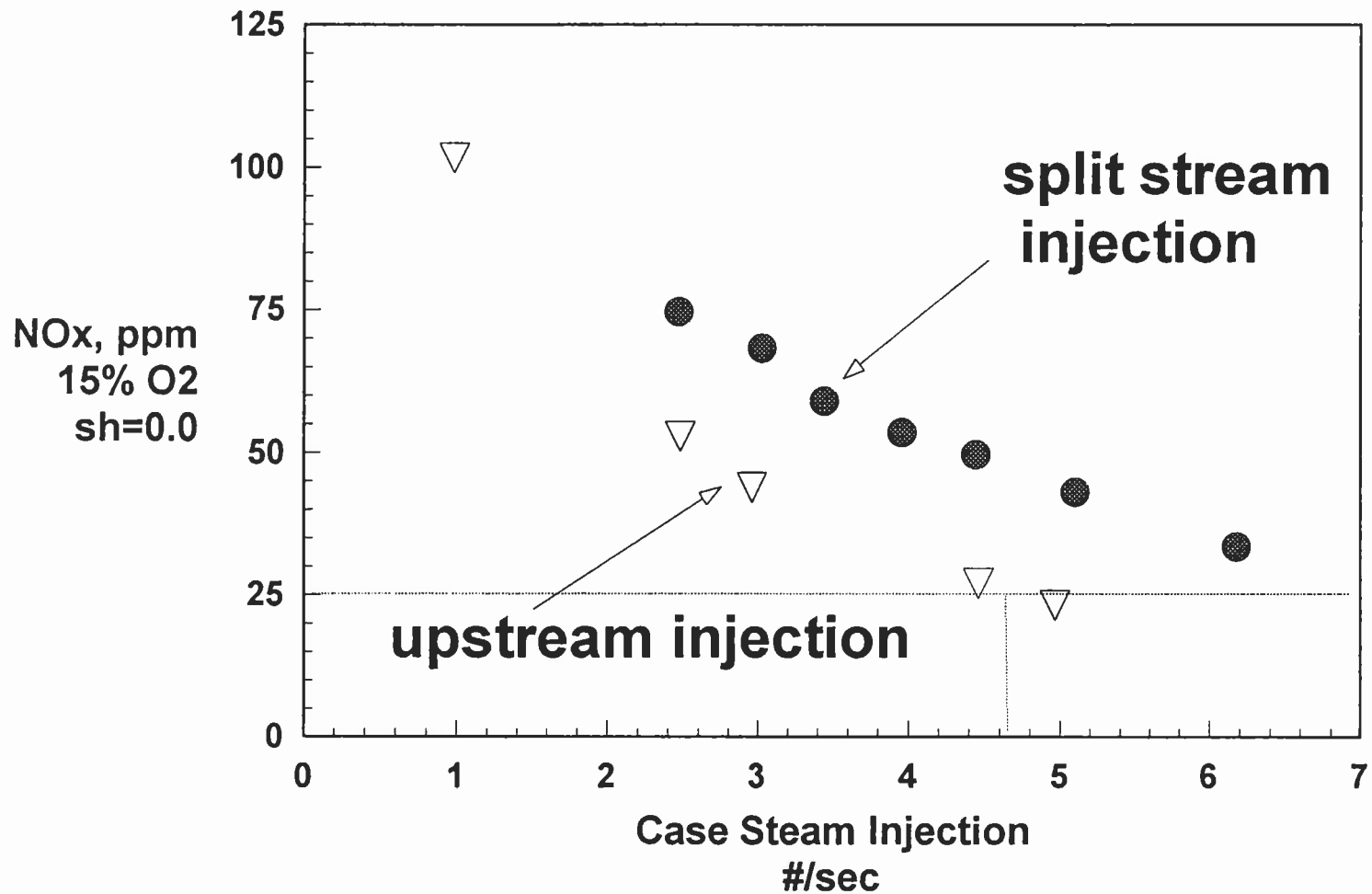


501-KH Engine Nozzle Steam or Water Injection Variable TIT



501-KH Engine

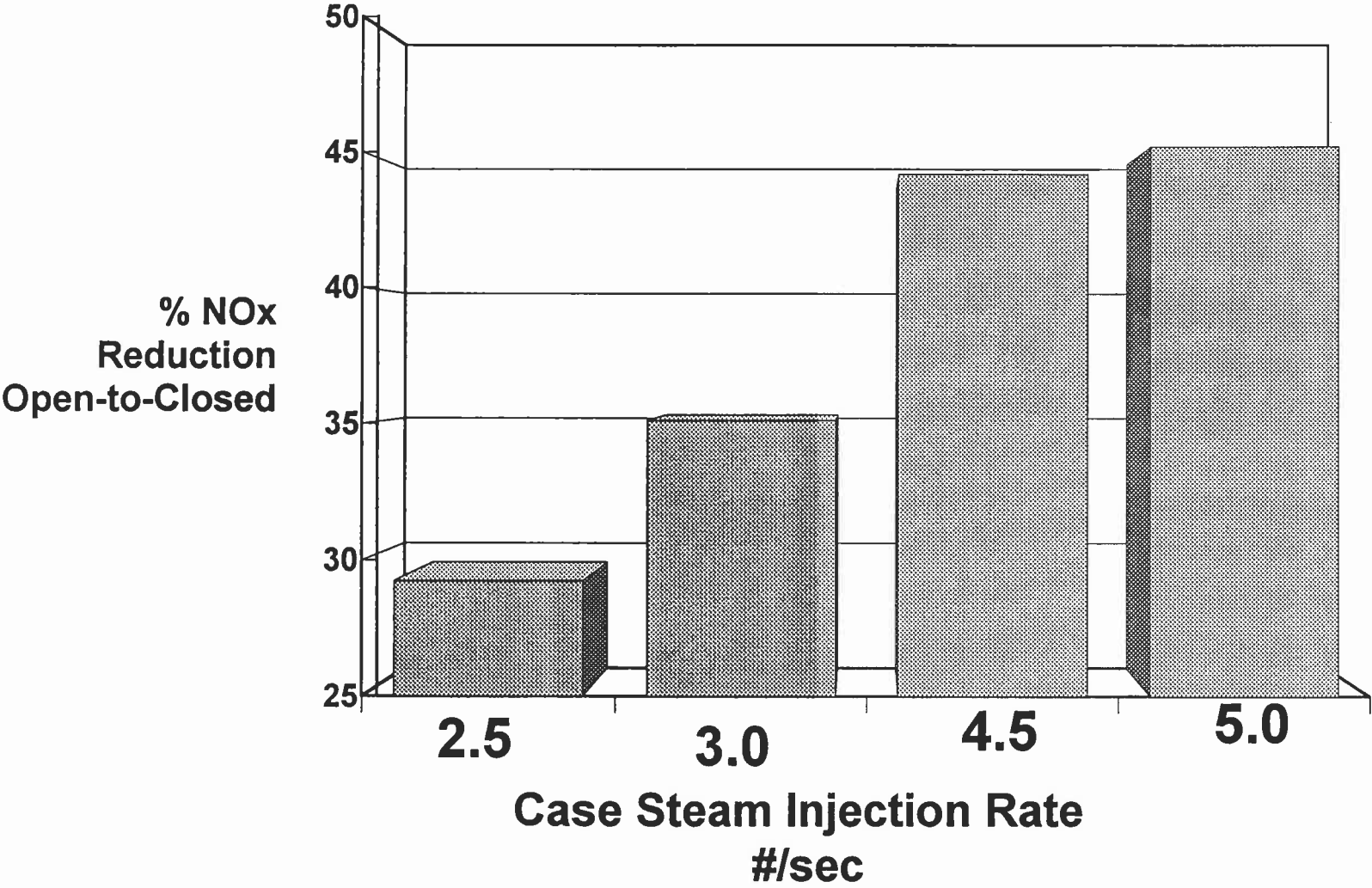
Case Steam Injection: 1895°F



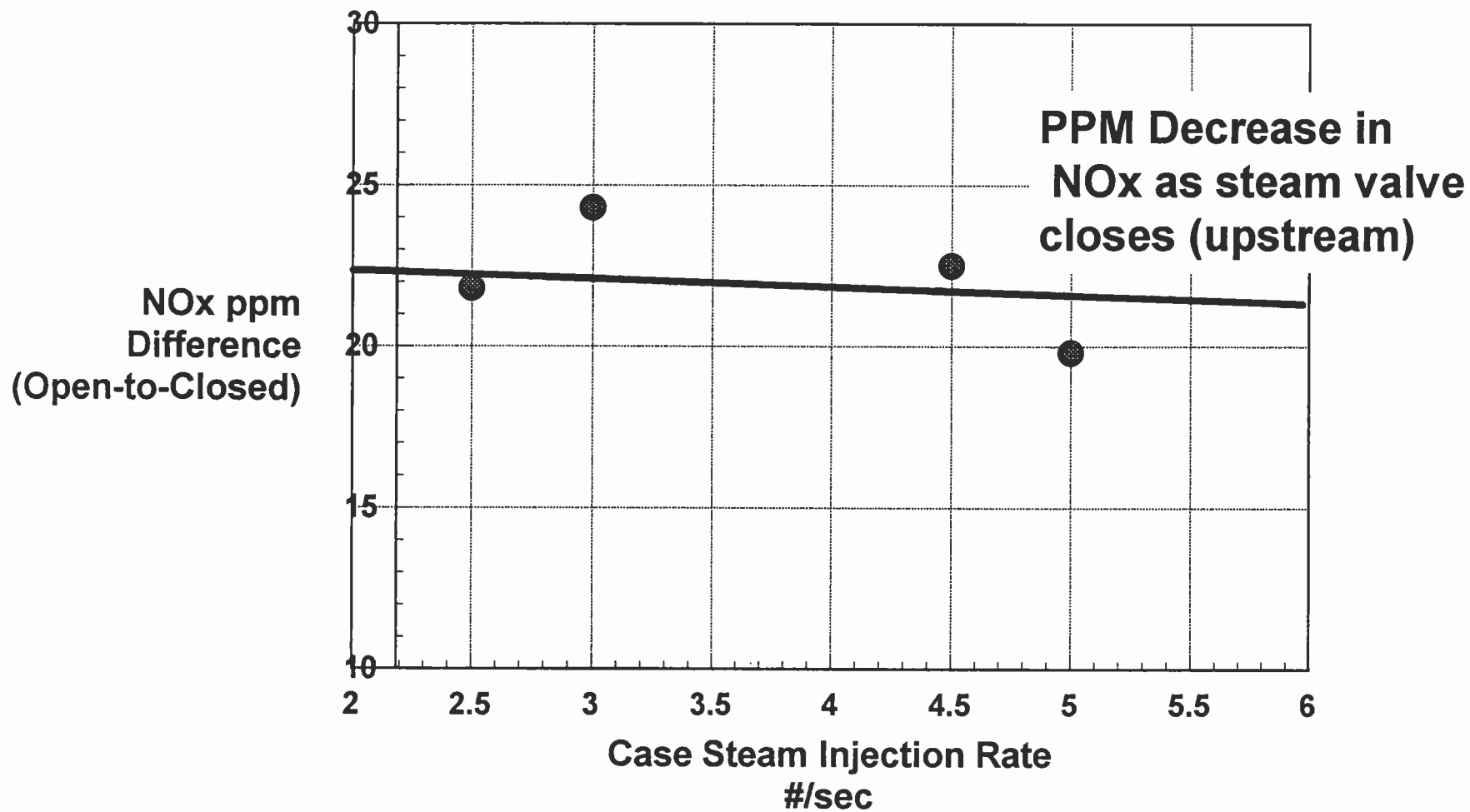
501-KH Engine 1992 SRI Test

- **Nozzle Steam Injection Off**
- **Evaporative Cooler Off**
- **Case Steam Injection Only**
- **Steam Valve Switched from Open to Closed Position
(and reverse)**

501-KH Engine Steam Valve Effectiveness 1895°F TIT, Natural Gas



501-KH Engine Steam Valve Effectiveness 1895 °F TIT, Natural Gas



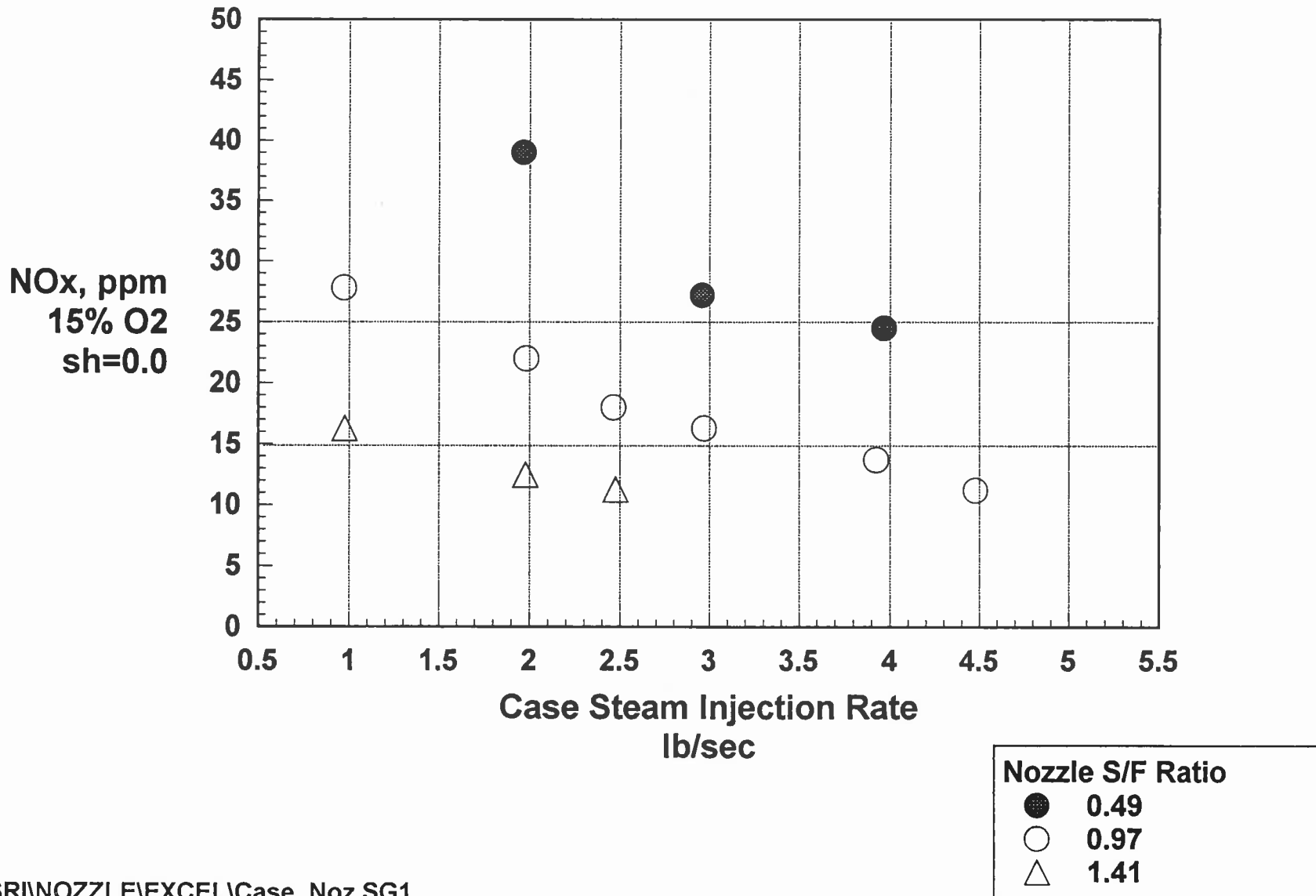
501-KH Engine 1992 SRI Test

- **Compare Case Steam Injection PLUS Nozzle Steam Injection.**
- **Case Steam Valve Open.**

501-KH Engine Test

Combined Nozzle and Case Steam Injection

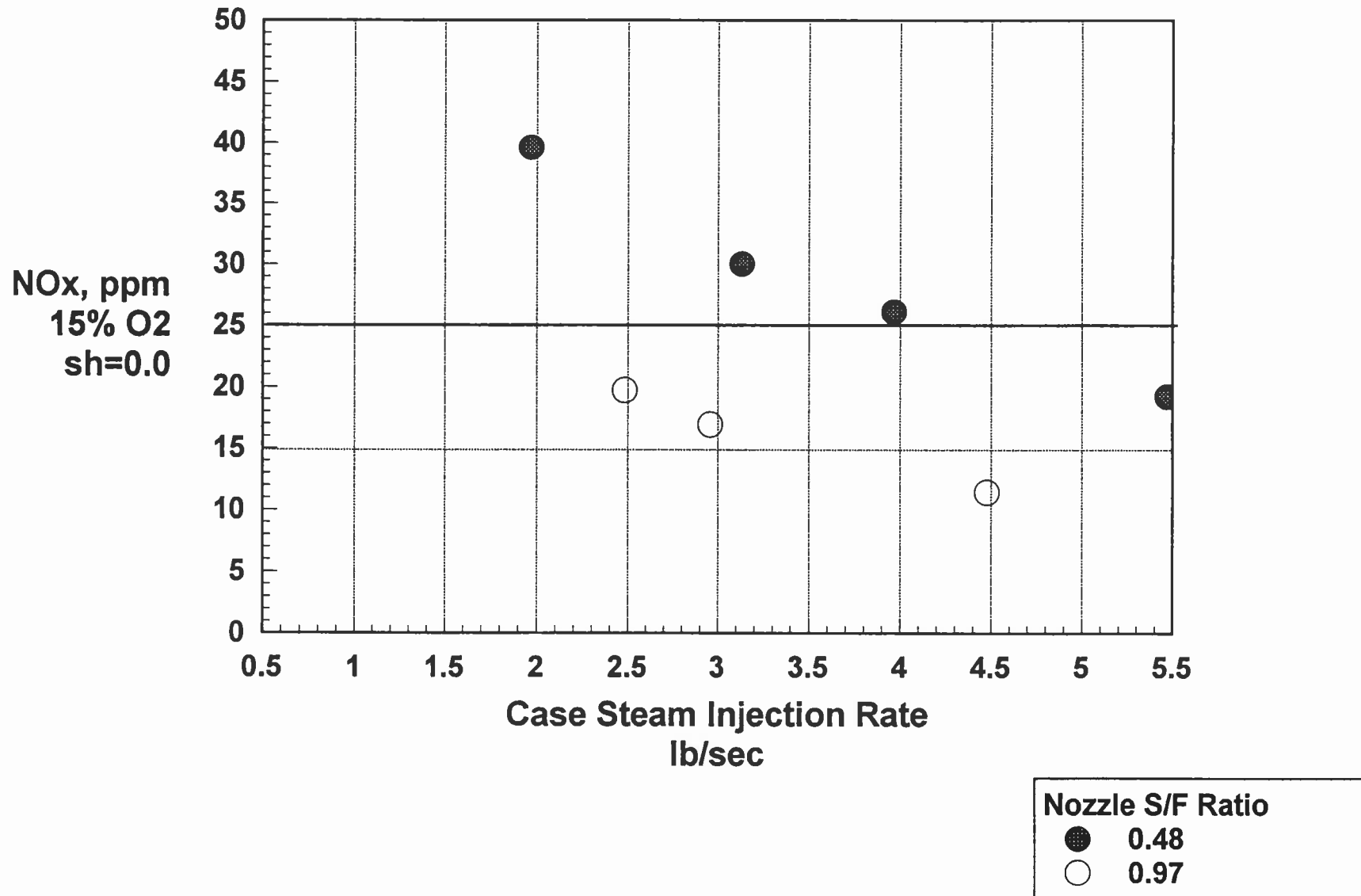
Steam Valve Open / 1800°F TIT



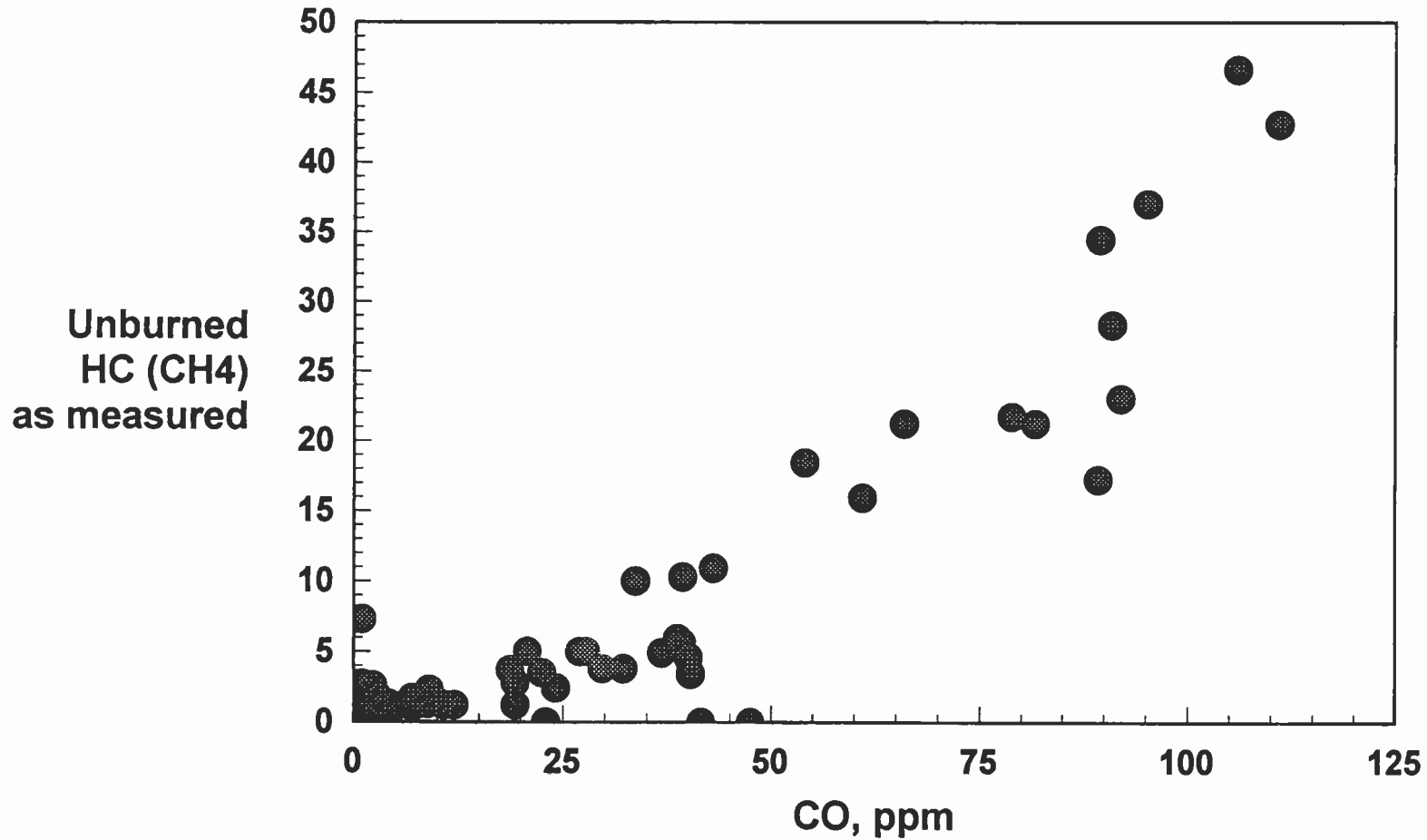
501-KH Engine Test

Combined Nozzle and Case Steam Injection

Steam Valve Open / 1850°F TIT



501-KH Engine Test SRI-Natural Gas Fuel CO-HC Comparison With and Without Injection



501-KH NOx Emissions Relative/Specific Humidity Effects Evaporative Cooler Impact

