



# AUTO-TREATING FOR ASPHALTINES

Application Sheet #6

## CUSTOMER VALUE

### SITUATION

- Customer has an upgrading facility that receives its process from trucks offloading various amounts throughout the day and night.
- Asphaltene deposits in the process cause issues with plugging valves, accumulating in separators, and coating in other safety and process equipment.
- Customer has two truck offload lines that requires Asphaltene Inhibitor injection at a fixed rate of 0.1 Quart per minute when each truck offloads at 265 gallons per minute.
- Chemical pumps were started manually by the truck driver as he unloaded the oil.

### SOLUTION

- Customer had an existing tank on site that they installed a Gemini Injection Stinger for one truck offload line, and a complete 1000 Gallon Dual Wall Gemini Injection system on the other line.
- Flow meters were installed on the offload lines to signal the chemical pumps to turn on at their fixed rates only when the trucks are offloading.

Saving money through automatic chemical injection.

### RESULTS

- The remote capability of the Gemini Controller allows the customer to have automated chemical injection.
- No work required by drivers, and assurance that the chemical is being added when required
- No extra chemical wasted due to not shutting pumps off.
- Downstream problems mitigated from accurate chemical injection.

