

PETROCHEMICAL FACILITY SAVES \$146K WITH MOBIL SERVSM | RIG TANK CLEANING

NEW PATENTED RUN-DOWN TANK CLEANING PROCESS PROVES VALUABLE

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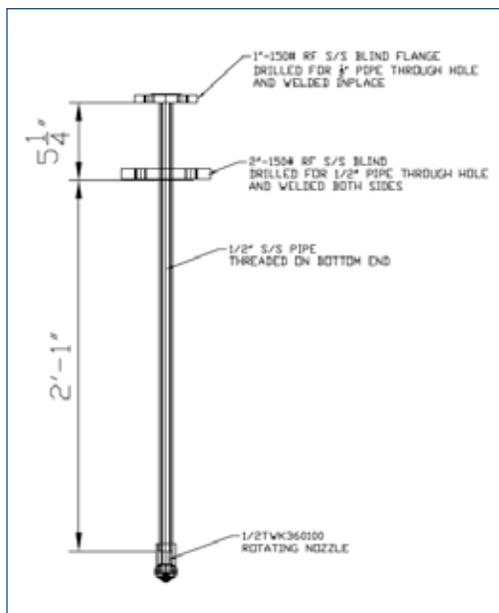
Case Study

SYNOPSIS

After identifying compressor run-down tanks as a direct source of contamination to the unit's bearings, a large petrochemical facility needed an efficient way to clean tanks. The standard manual cleaning procedure requires manual vessel cleanout, which is a strain on time and labor resources.

The facility reached out to the MOBIL SERVSM | RIG's reliability team instead. Using a patented run-down tank cleaning process, the reliability team was able to save 36 hours per run-down tank for a total of **10.5 days and \$146,440 savings**.

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Our patented run-down tank cleaning process is exclusively used during compressor High Velocity Flushing (HVOF) services.

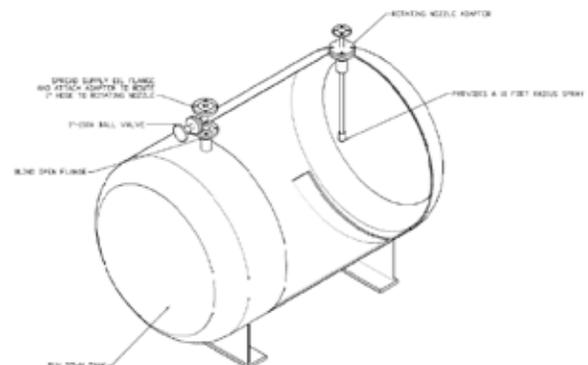
INTRODUCTION

A mid-western United States petrochemical facility was improving their lubrication program. The company's reliability and maintenance engineers identified run-down tanks as a major source of contamination in the site's compressor lubrication systems.

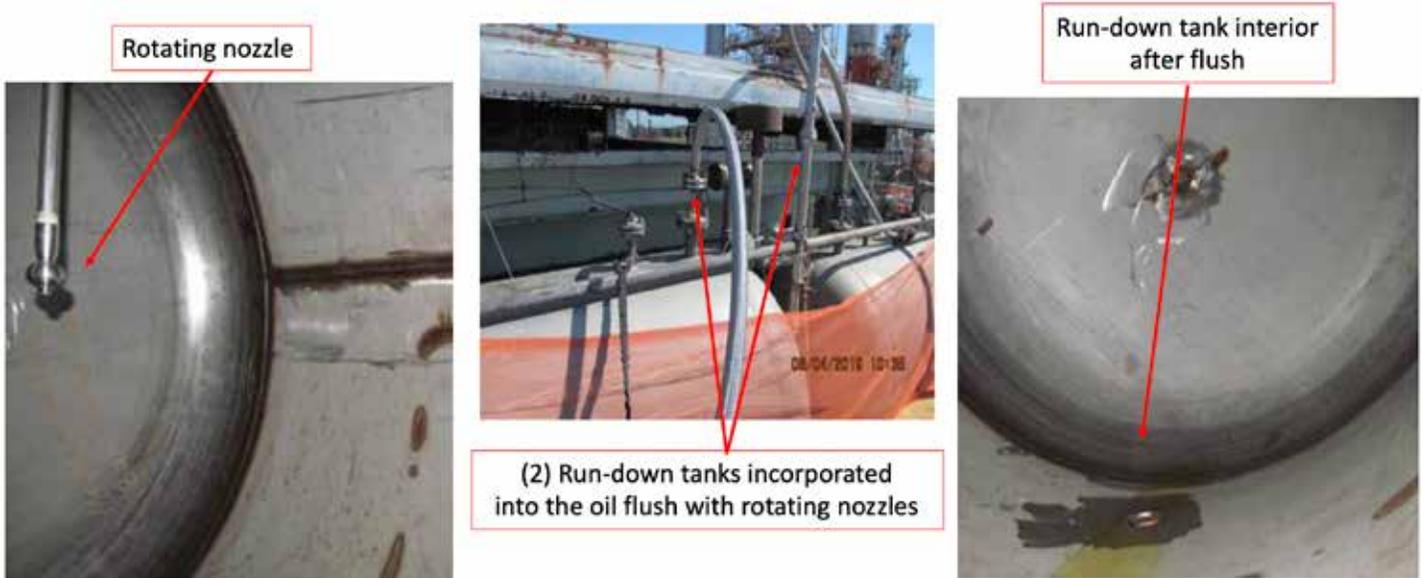
Most tanks have limited access and quickly become a trap for contamination. Run-down tanks can be vertical or horizontal and can be continuous flow-through or made to hold and release lubrication during shutdown. They are suspended above the compressor to hold and supply lubrication directly to the compressor's bearing during shutdown activities or emergencies. Contamination from these tanks was fouling the compressor bearings and needed to be addressed.

SOLUTION

When contacted by the petrochemical facility, the MOBIL SERVSM | RIG team developed a system to clean the interior of the run-down vessels "in-line" during oil flushing activities. This unique system sprays oil in a 360 rotation, allowing the run-down tank interior to be simultaneously "washed" with the flushing oil during regular HVOF flushing. This concurrent cleaning procedure saved the petrochemical client 36 hours per run-down tank over previous cleaning activities. With seven vessels, **total savings were 10.5 days and \$146,440**.



RUN-DOWN TANKS: TRAPS & TROUBLE SPOTS



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