

Fluitec Case Study



Qatar | Major Oil & Gas Company

Estimated ROI

1,513%

Problem

The compressor had elevated varnish potential over a long period (MPC stable >50, critical), and the system needed to be prepared for an oil upgrade without shutting down. Oxidation deposits had to be removed to avoid cross-contamination with the new oil.

Solution

A Vita ESP (Electrophysical Separation Process) III unit was connected to the reservoir to remove degradation products. Boost VR was added to increase oil solubility and mitigate varnish. The treatment was performed ~3 months prior to the oil upgrade, with no machine shutdown.

Results

- MPC dropped to very low levels within 4 days; remained within acceptable limits over the following three months, enabling a clean oil upgrade without cross-contamination.
- Nine months after the upgrade, all lube oil parameters, including MPC, remained within acceptable limits.

Client:	Major Oil & Gas Company
Country:	Peru
Application:	Gas Compressor
Estimated ROI:	1,513%
Solution:	BOOST™ VR & VITA ESP™ III

