

CMS CF4 RECUPERATION SITUATION

CF4 COMPRESSOR LEAK

OFF STATUS



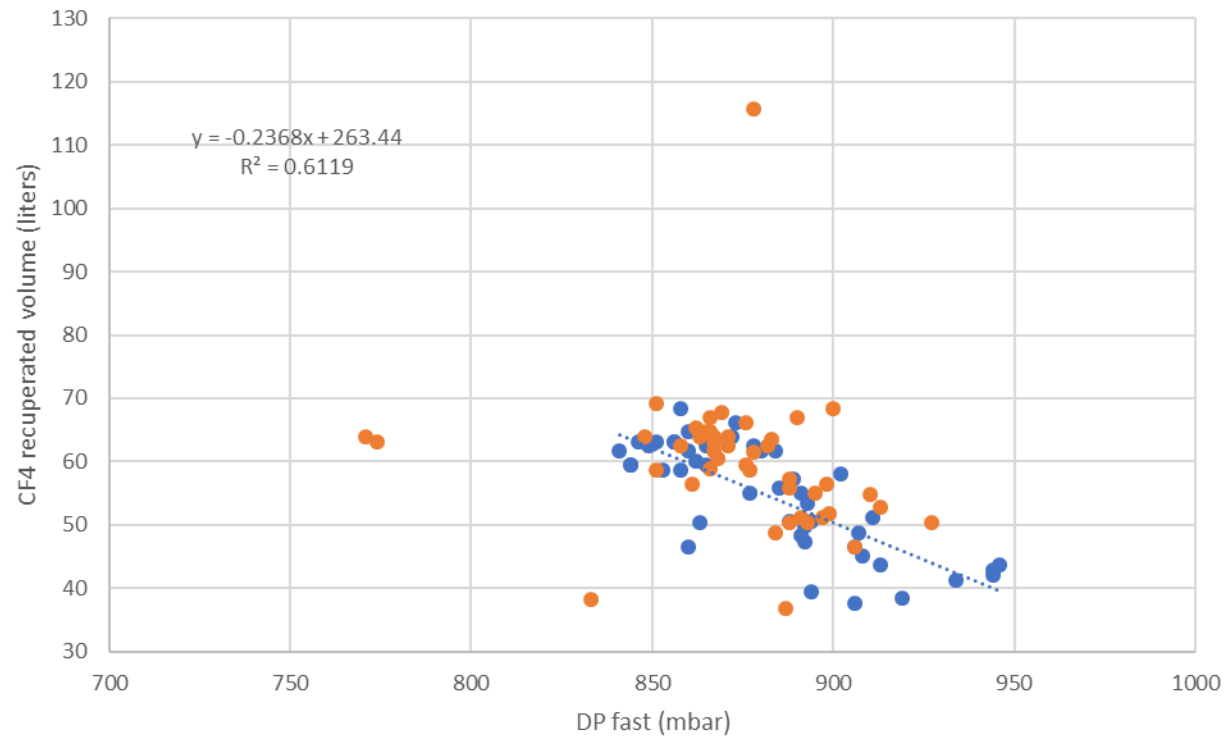
Some leak have been found in the CF4 compressor the leaks are always present, but they are bigger during the off status.

ON STATUS

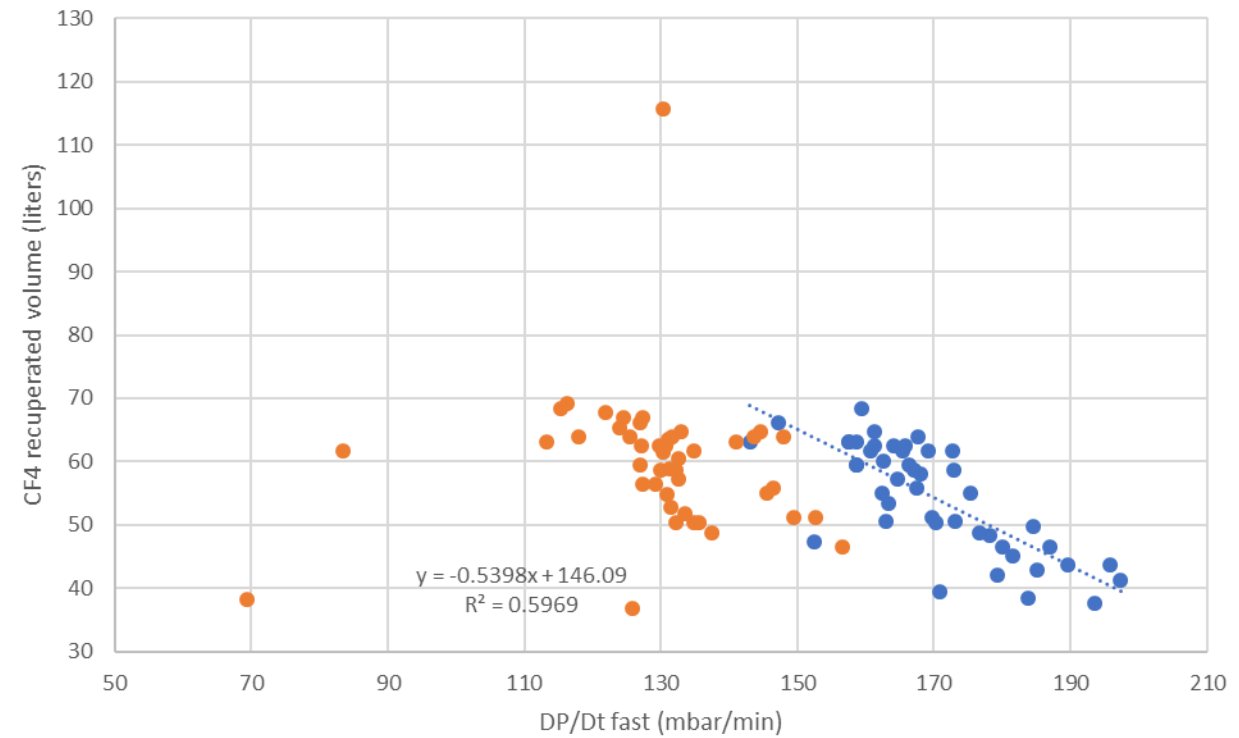


CF4 MEMBRANE CYCLE

CF4 recuperated volume VS DP fast

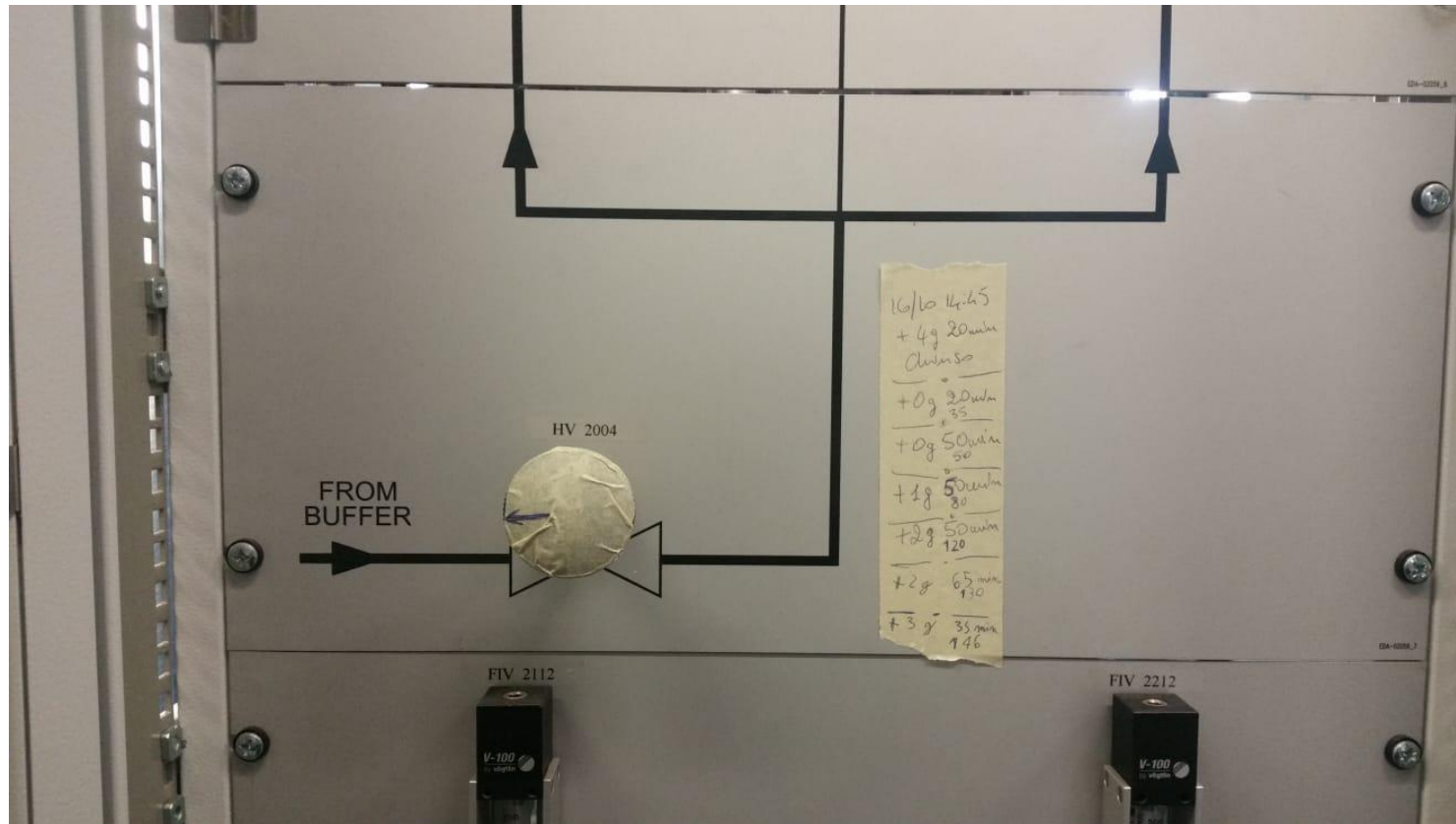


CF4 recuperated volume VS DP/Dt fast



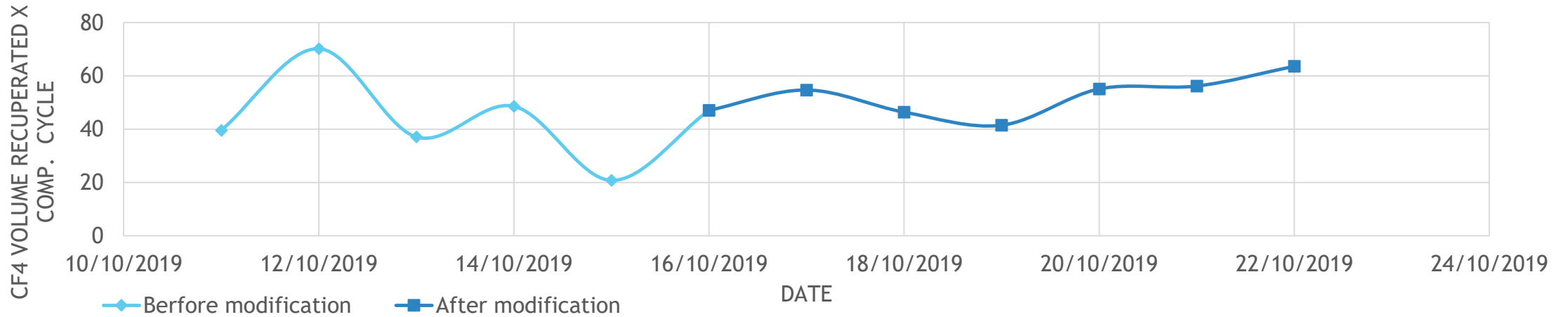
CF4 MEMBRANE CYCLE

The Valve HV 2004 has been opened from the full closed state by 4 turns and 05minutes to obtain an intake flow of 146 mbar/min

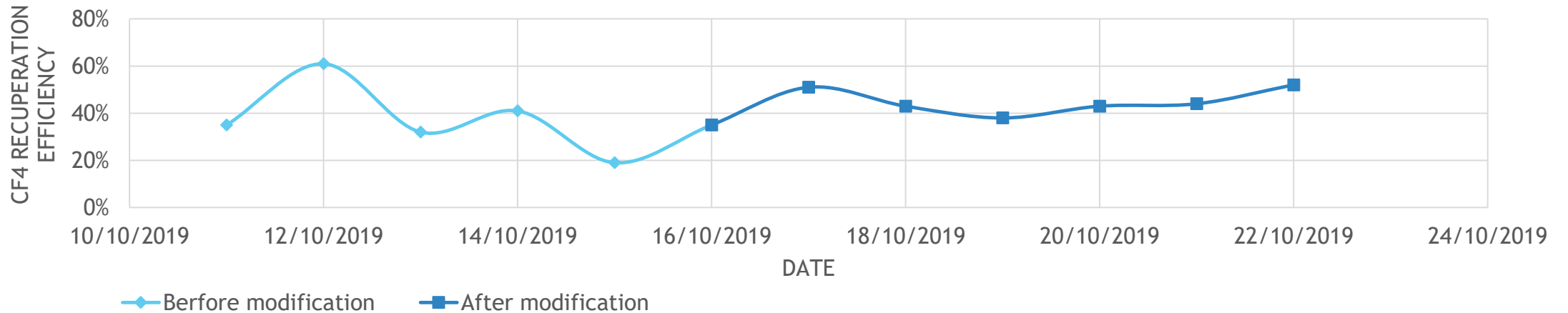


CF4 RECUPERATION

CF4 VOLUME RECUPERATED X COMP. CYCLE VS DATE



CF4 RECUPERATION EFFICIENCY VS DATE



GC ANALYS

16/20/2019

Gas	Fraction, % or ppm (calibration with 75%CF4 - 25%Ar)
CF4	% 84.81
Ar	% 13.98
CO2	% 0.02
O2	31.49 ppm
N2	12075.82ppm

23/10/2019

Gas	Fraction, % or ppm (calibration with 75%CF4 - 25%Ar)
CF4	% 96.01
Ar	% 2.94
CO2	% 0.027
O2	31.88 ppm
N2	3687.3 ppm