

## 772 – Selection and return of experience of integrated moto-compressors

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Abstract: With the development of high speed motors and active magnetic bearings, integrated moto-compressors (seal less, oil free, centrifugal compressor driven by variable speed drive system) using process gas to cool the motor have been developed as an alternative solution to conventional compression trains using either turbines or low speed motor associated with gearbox.

The first part of the paper presents and describes the integrated moto-compressors and variable speed drive technologies used on two Oil & Gas sites in Europe and South America. The second part of the paper explains and gives the reasons of the selection of integrated moto-compressors for these two Oil & Gas sites. Finally, the last part of the paper provides the site operator and manufacturer return of experience of these integrated moto-compressors.