

# Analysis of a Cable Lug Failure for a Recycle Compressor Trip

Adrian Aparaschivei

Industrial Gases – Equipment Engineering Air Products BV  
Rotterdam, The Netherlands

[apax@ieee.org](mailto:apax@ieee.org)

Gabriel Chiriac, Costica Nituca, Adrian Plesca

“Gheorghe Asachi” Technical University of Iasi, Faculty of

Electrical Engineering, Iasi, Romania

[gchiriac@tuiasi.ro](mailto:gchiriac@tuiasi.ro), [costica.nituca@tuiasi.ro](mailto:costica.nituca@tuiasi.ro),

[aplesca@tuiasi.ro](mailto:aplesca@tuiasi.ro)

**Abstract**— This article presents an analysis of an electrical contact terminal lug failure on medium voltage system. The analysis considers different aspects of the electrical contacts, such as: contact resistance, contact force, stress, motion, lubrication. The case study refers to a cable lug failure on a compressor supply. Different situations are considered to find the cause of the default. Conclusion and proposed actions are finally presented.

**Keywords**—cable lug failure; contact resistance; medium voltage; case analysis

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