

# Performance and Air Test Method for Low Duty Gas Compressor (550hp)

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## **ABSTRACT**

This study is to verify performances of Low duty (550Hp) Gas Compressor composing methane and nitrogen as well as set up air test methodology. After correcting from gas to air condition, test was made based on the given air condition, and the result of air test was again corrected as gas condition. Performances were considered for pressure ratio for inlet/exit of compressor and efficiency according to several specific speeds and stagger angles, and turn down ratio and pressure margin were studied.