ABSTRACT

ANALYSIS OF WATER DAMAGE TO THE WATER TRAP ON THE AIR COMPRESSOR ATLAS COPCO IN PT. GRESIK GAS AND POWER INDONESIA (THE LINDE GROUP)

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Air compressor is an important tool in the PT. Gresik Gas and Power Indonesia because it serves as an air supply valve open the lid and for all maintenance activities that require pressurized air. Component in water consists of the motor compressor, water trap, air receiver, oil filters, and air dryers. Air filter water trap is a tool so that air is sucked from the surrounding air does not mix with water. In addition, the water trap also water automatic control. If the water the water trap in the recervoir is full it automatically opens a valve and supray water trap the help press the air out.

To obtain the necessary data, carried out by looking at the manual book of air compressor. Additionally, do study literature to strengthen field project. In this process of analysis can not necessarily see that the water. But viewed as whole water trap has an important role in their air compressor AtlasCopco. Thus, it is known what led to trouble in the water trap.

As a result to be obtained is to be known water damage to the water trap on the compressor Atlas Copco is to clean the dirt clongged in oil removal filter and filter the water line. It is damage is replace with a new filter. So, the problems can be solved.

Key words: air compressors, pipes, water trap