

## ABSTRACT

**Ahmad Saefudin**, 2017 , NIT : 50134955 T, “optimize the decreasing of compression pressure on air compressor in KMP. Asia Inovator by using USG method” , Engineer Studies script , Diploma IV , Semarang Merchant Marine Polytechnic , Instructor 1 : Agus Hendro Waskito, M.M., M.Mar.E. Instructor 2 : Adi Oktavianto, ST.T., M.M.

Air compressor is an assist plane that can produce exerting air pressure that has to get attention and maintenance intensively and continually , so that the compressor can be well-operated and stable in a long period . if the compressor runs into compression pressure decreasing , the air filling on air bottle will be late and cause the long period of main engine manouvering system , this case is a big disadvantage for any shipping company in general . While the other factor that can cause the decreasing of compression pressure on air compressor is the leakage of suck valve and less maintenance

Remember compresor is very important at the vessel, and then needed appropriate methods to solve problem damage sucition valve and pressure valve with USG ( Urgent, Seriousness, Growth ) methods that is with method to make a problems of tree to looking for cause of the problem, and added to observation, interview to looking for factor of causes, and the effort should be done.

Therefore , the systematic and arranged maintenance of suck and press valve is a must needed to keep the decreasing of compression pressure on compressor , so that the treatment and maintenance need to be done toward all components that will be discussed by the writer in this script

**KEY WORDS : Air Compressor , suck valve amd press valve , USG method.**