LEAN MAINTENANCE MANAGEMENT ACTIVITIES IN AN OIL TERMINAL: CASE STUDY

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ABSTRACT

The maintenance in the industrial sector has increasingly gained importance in enterprises. The current demands of today’s companies require the maintenance and management responsible to seek new forms of organization, using innovative techniques and methodologies to manage in the most efficient way.

This study was drawn up following an internship in the management of operations and maintenance of a company in the oil sector.

Keywords: Maintenance management, LEAN maintenance, oil terminal, oil & gas.

INTRODUCTION

The Trafaria Oil Terminal (Fig. 1) is a facility of trading, distribution and storage of petroleum origin products. Always looking to improve the maintenance service that is currently provide, this work aims to investigate and intervene in the points where it is possible to improve the current system of maintenance management.

Fig. 1 - Trafaria Oil Terminal
RESULTS AND CONCLUSION

During the research phase was analysed the current system of maintenance management, and the various repairs that commonly take place in the installation, in order to understand the modus operandi of the maintenance service and which was the installation needs. It is in the aspects that apparent are opportunities for improvement that is intended to act, thereby optimizing the service of maintenance and reduce or eliminate the identified waste.

Another aspect of the study is to conduct a research on the failure modes of the equipment with the greatest propensity failure, in order to make improvements and have a better understanding of the failure mode. This makes possible to act preventively.

Finally, were created follow-up procedures and plans of inspections by the data that was acquired during the study. As well an evaluation of the maintenance performance following performance parameters (KPI - key performance indicators).

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