

ABSTRACT

This project was originally designed to look into various aspects of fleet operations for a large utility company. An indepth study of each area proved to be too lengthy for a study of this nature and it was decided to look into one (1) important aspect; Stores Inventory.

Three (3) different stores policies were examined and it is shown that any policy can be used to track any item, depending on the type of part to be stocked. An example was done to illustrate the calculation of re-order level and Economic order Quantity for only one (1) vehicle type.

A spreadsheet was done for two (2) vehicle types to illustrate re-order levels with 99%, 95% and 90% confidence level.

It is shown that similar analyses can be carried out for all types of vehicles and that additional evaluation can be carried out for all other areas to optimise cost of operation, including a further study of the parts in inventory using the model outlined by Wadhawan and Miller (9).