

Mccall diesel motor works (case study) essay



**ASSIGN
BUSTER**

Introduction

McCall Diesel Motor Works manufactures a scope of Diesel engines for usage in Marine applications, fabrication works and agricultural applications. The company has ever tried to be progressive in footings of merchandise design and in fact pioneered the development of a peculiar type of internal burning engine. Originally, they merely manufactured big marine Diesel engines but have now diversified into little stationary type engine

About the Company's design, many of the engines designed were one-off merchandises and made specifically to order. Although this type of work still stand for 60 per centum of those manufactured, there has been a move towards standardising many of the constituent parts to cut down the assortment of parts. This allows a grade of exchangeability, particularly for little constituents such as he-mans, bolts, and spring, or as mechanical fasteners. There besides has been decrease in the assortment of engine sizes available with debut of a standard scope of three sizes: 20, 40, and 60 HP

The company has ever been advanced in footings of its merchandise technology, in the development and design of their merchandise. The production stage on the other manus, has non been so advanced. The heritage of production in the type of occupation store operation persists, and despite the inclination of standardisation, the company is still continues mostly on a custom-built footing. The increasing popularity of Diesel engines meant that competition has been fast because it brought may new entrants to the market.

High fabrication cost and hapless service have been reflected in the loss of orders. Customer ailments together with force per unit area from gross revenues section prompted direction to name in a confer withing applied scientist to do study of the Manufacturing section and urge a program of action for betterment.

The applied scientist showed the study from the fabrication methods. Machinery and equipment. and production control. The senior direction recognizes that in order to service. there is an pressing demand for alteration. However. they are holding trouble in converting the work force of this and implementing any alteration. In the chief. the direction sees the job as the opposition of the work force to alter their working patterns. However. the work force see the chief job as being the fact that the senior direction are basically gross revenues minded and don't understand the job of production planning and fabrication.

I. TIME CONTEXT

The clip context is present twenty-four hours

Because there is no given day of the month in the instance survey. we conclude that the clip context of the survey is at the present clip.

II. VIEW POINT

The point of view of the survey is the applied scientists.

Because they are the 1s who make the studies to cognize what is incorrect with the company and grounds why does the company are holding a batch of

client ailments and their gross revenues are diminishing. The applied scientists besides are the 1s who discovered the job and have some recommendation.

III. STATEMENT OF THE PROBLEM

The job for us is the Extreme liner of the production procedure.

From the start of the instance survey. it was already stated to the rubric that McCall diesel motor plants need a complete system of production control. Besides the applied scientists besides notice that the production planning and control of the company have no formal system. In fact there is opposition from the production director to implementing any such formal system.

The deficiency of any such formal system has resulted in high work in procedure and failure to run into bringing times due to miss of work in procedure monitoring and information on fabrication lead times. Production planning has besides failed to take advantage of the economic systems of graduated table afforded by the usage of standard parts. There is besides deficiency of formal attack to lot sizing and how the tonss are processed through the store floor. This has led to tonss being lost and the order being reissued merely for the batch to turn up.

IV. STATEMENT OF THE OBJECTIVE

Short scopeLimit constriction country

Long scope
Maximize efficiency and use of machine
Extreme line of production procedure
Ensure client satisfaction by run intoing the bringing day of the month

V. AREAS OF CONSIDERATION/ SWOT ANALYSIS

Strengths

Standardized parts
Knowing workers
Promotion in technology development and design
Made-to-order type of concern

Failings

Obsolete machines
Made-to-order type of concern
Absence of any record refering the production procedure
Failure of a bit-by-bit industry
Lack of definite sequence of fabrication operations
Lack of information sing overall fabrication clip
Arbitrary bringing day of the months by the gross revenues section
High production cost
Low-level of client service

Opportunities

Location that allows them to hold easy entree to the client
Customer requires engines that are custom-built
Increasing popularity of Diesel engines

Menaces

Many new bring forthing companies are emerging
Inordinate figure of order
Calamities and other signifiers of natural catastrophes

VI. ALTERNATIVE COURSES OF ACTION

ACA1: Determine the sequence of fabricating procedure including the clip it takes for each production procedure to be done.

Advantages

Management will cognize the overall fabrication clip. this will enable them to gauge the clip it will take for the merchandise to complete so that it will be determined on clip This will find possible countries of constrictions therefore. these will be eliminated Reduce in procedure stock list of parts

Disadvantages

This may necessitate alterations in the procedure. that may be readily accepted by the workers This in-process parts can non be easy utilize the service section to provide for their exigency fixes

ACA2: Limit made-to-order orders and alternatively concentrate to the sale of standard-line of the agricultural engine

Advantages

This will greatly assist in the simplification and standardisation of the production procedure

Disadvantages

This may ensue to worsen in gross revenues as 60 % of the company's gross revenues are generated through made-to-order engines

ACA3: Set an exact bringing time/date for each merchandise

Advantages

This will suppress any break in the fabrication procedure

Disadvantages

This may do a client dissatisfaction as haste order will non be allowed

VII. Recommendation

We recommend the first alternate class of action which to find the sequence of fabricating procedure including the clip it takes for each production procedure to be done. Which have a advantages and disadvantages of the followers:

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Though the applied scientist recommendation in the survey is to hold a simple. straightforward plan that would supply equal control over production

and could be instituted bit by bit and logically. it still reply it because if we already know the sequence. we will hold a equal control over the production.