VERTICAL HYDRAULIC BALER MACHINE FOR CAR SCRAPPING

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Abstract-We tried to innovate our project to solve the problems which are being faced by scrapping industry of india nowadays. Our project has some biological lookout in mechanical machine. Already foreign countries are using this technology. Our project’s main important part is “hyenas tooth technology” because hyenas teeth are very strong than all biodiversity animal and second main part of our project is “hydraulic system” in our project potential power is provided by hydraulic system and car crushing by bio teeth engineering. Our project’s main aim is to fast working, minimum cutting cost, eco friendly working. We are using wps material for tooth manufacturing, hydraulic press for potential power, solenoid direction valve for fluid flow control system and piston cylinder arrangement.

Keywords- Hyenas sculpture design, Solenoid valve, Pneumatic cylinder

I. INTRODUCTION

To Obviate The Expensive Method Of Car Scrapping , We Have Made A Solution To Create Such A Mechanism Which Will Be Less Costly And Less Time Of Machining Required, Known As “Vertical Hydraulic Baler Machine For Car Scrapping”.

The main working concept based on hydraulic system. In this project, we used mechanical machine which will be powered by hydraulics. Hyenas teeth are very strong than all biodiversity animals.

We are using this and made up a strongest sculpture of wps (welding procedure specification) material. We used hydraulic system which is required for high potential power & car scrapping by teeth engineering.

II. PROBLEM STATEMENT

Nowadays different type of car scrapping mechanism is used in car scrapping industry. All this technology are less eco friendly and more costly. Have we ever notice that how much process is required in scrapping of a car. scrapping of car costs almost 25% of the total price of the car which reduces the profits & sometimes losses are generated.

III. PROJECT OBJECTIVE

When we discussed with industrial people who are working in scrap yards, at that time we discussed the problem regarding the process and its expense.

We came to know that it is very serious problem. After analyzing the problem we conclude to make a project and develop new technology machine to overcome the problems as much as possible.
IV. METHODOLOGY

V. ACKNOWLEDGEMENT

It is indeed a great pleasure and proud privilege for the group members to present the final year project. The purpose of the project was to showcase the talent among the students studying in final year of automobile engineering to solve the industrial problems and experience the working environment of the industry.

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VI. CONCLUSION

Vertical hydraulic baler machine had a great ability to scrap car in specific dimension & specific weight without high labor cost & maintenance cost. It does not require traditional jaws which are more costly & have less life. It requires less electricity (1-ɸ) consumption, makes less noise & less pollution. It is less expensive & is less time consuming process compared to heavy duty car scrapper. There are few reasons why car scrapper is more effective then heavy duty jaw car scrapper.

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