



De La Salle University – Dasmariñas

Recycling of used rubber tires

into paint pigments

SY 2001 – 2002

An Undergraduate Thesis

Presented to

the Faculty of the College of Technology

De La Salle University – Dasmariñas

Dasmariñas, Cavite

In Partial Fulfillment

of the Requirements for the Degree

Bachelor of Science in Industrial Technology

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Throy Calilap

March, 2002

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ABSTRACT

Name of institution: De La Salle University Dasmariñas

Address: Dasmariñas, Cavite

Title: Recycling of used rubber tires into paint pigment

Authors: Aron Topacio

: Throy Calilap

Funding source: Parents

Cost:

Date started: September 20, 2001

Date completed: January 4, 2002

Objectives:

- a) General – to be able to have a process that would recycle used rubber tires into paint pigment.
- b) Specific – to be able to extract carbon black from rubber tires.

Scope and coverage:

The focus of this study is to use extraction and digestion in recovering carbon black from old rubber tires. And there was no attempt to derive a new paint formulation.

Methodology:

The authors have used many references for this study to materialize, such as the internet, books, interviews and other related thesis. And the recovered information are carefully analyzed and interpreted to make sure that this thesis has little error as possible.

Major findings:

A simple process of extraction and digestion can be used to obtain carbon black from old rubber tires.

Conclusion/s:

Since it was stated that carbon black can be extracted from rubber tires thru a simple process, then we therefore conclude that this technology can be used for an alternative source of carbon black.

Recommendation:

- ❖ There should be a more intensive research about this technology to maximize its full potent
- ❖ This technology can be used on other carbon based materials.