

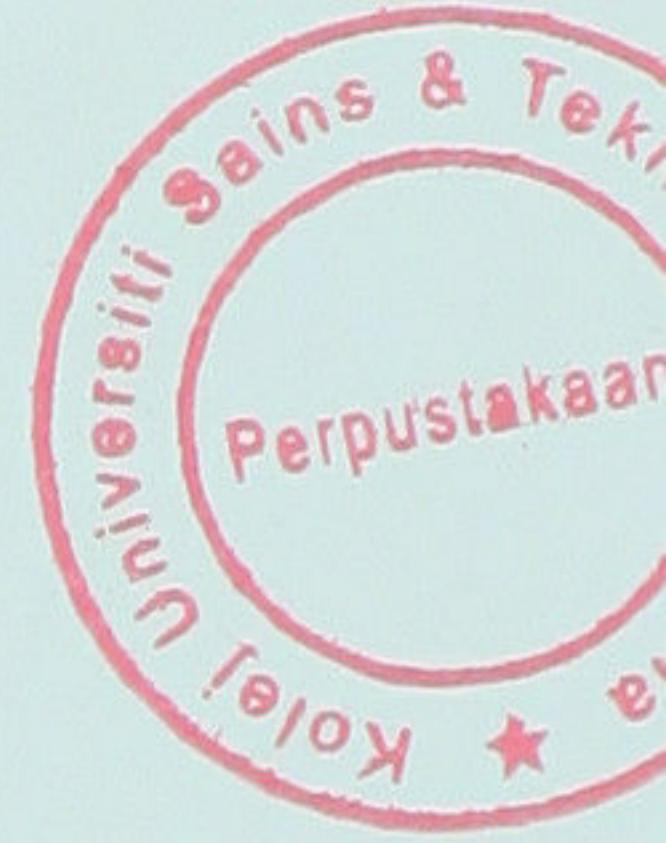
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Effect of contaminated oil on metal corrosion / Ng Eng Joo.



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Name : WAN MOTO NORSHANI B WAWN NIK

Date : 2/6/03

EFFECT OF CONTAMINATED OIL ON METAL CORROSION

NG ENG JOO

**Thesis submitted in partial fulfillment of the Degree of
Bachelor Technology (Environmental Technology)**

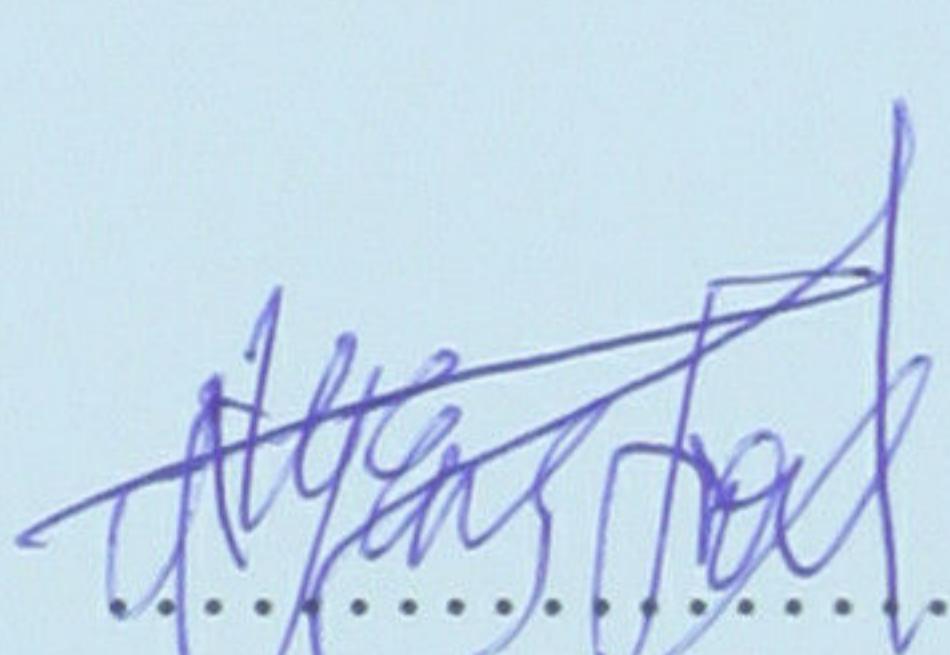
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**Faculty of Science and Technology
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MARCH, 2003

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I declare that this thesis is the result of my own research except the materials as cited in references.

Signature : 

Name :
NG ENG JOO

Date :
3-4-03

PERPUSTAKAAN SULTANAH NUR ZAHRAH

PERPUSTAKAAN SULTANAH NUR ZAHRAH

To my parents

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First, I would like to thank Mr. Wan Norsani, my supervisor of my final year project, which always concern and spend a lot of time to discuss, guide, teach, and giving advice to me.

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ABSTRACT

A test to determine the increase in acidity of two types of oil and its ability to protect metals from corrosion after a period of time. Contaminant oils will formation acidic constituents. Neutralization number was used to measure increase in acidity. Microscope polarized was used to examine both microstructure and corrosion formation of copper and mild steel. Weight loss measure was used to determine the rate of corrosion.

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ABSTRAK

Satu ujian ke atas dua jenis minyak yang menentukan pertambahan keasidan dan potensinya untuk melindungi logam daripada berkarat. Kerosakan minyak akan menyebabkan pertambahan keadaan keasidan. Nombor peneutralan telah digunakan untuk menentukan pertambahan keasidan. “Microscope Polarized” telah digunakan untuk menentukan mickostruktur pengkaratan yang terbentuk daripada logam. Menentukan kehilangan berat telah digunakan untuk mencari kadar pngkaratan logam.

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