FAILURE ANALYSIS OF INPUT SHAFT

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SUPERVISOR’S DECLARATION

We hereby declare that we have checked this project and in our opinion this project is satisfactory in terms of scope and quality for the award of the degree of Bachelor of Mechanical Engineering.

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Position: Head of Department (Automotive Engineering)

Date:

Signature

Name of Panel:

Position:

Date:
STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree.

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ID Number: MA05092

Date:
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<td>FEA</td>
<td>Finite Element Analysis</td>
</tr>
<tr>
<td>AISI</td>
<td>American Iron and Steel Institute</td>
</tr>
<tr>
<td>$K_t$</td>
<td>Stress concentration factor</td>
</tr>
<tr>
<td>$S_f$</td>
<td>Fatigue strength</td>
</tr>
<tr>
<td>$\varepsilon$</td>
<td>Fatigue ductility</td>
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<tr>
<td>$E$</td>
<td>Young’s modulus</td>
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<tr>
<td>$N$</td>
<td>Number of cycles to failure</td>
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