

MECH9223

Machine Condition Monitoring

**Assignment 2**

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# Executive summary

# Introduction

The aim of this project is to perform bearing diagnosis based on vibration and tacho data measured on UNSW gear test rig.

# Experimental Setup

# Data Processing and Technical Discussion

## 3.1 Evaluating bearing fault frequencies

## 3.2 Evaluating the speed of the machine

## 3.3 Diagnostic methodology used

# Conclusions and Recommendations

# References

# Appendix