























Figure 15, an auto generated Decision Tree for defect tilt-function

## 4 Conclusions

By the work of this paper; a component-library has been developed, for diagnostics use. It has been shown that the root cause for debilitating behavior can be found, through a model based diagnostic approach. By the end of the thesis, the expectations are that more sophisticated symptoms could be diagnosed; as well as more attributes should be implemented in the beta models, so that the decision trees will be more informative. Such additives could be an ECU. This work can be considered as a method evaluation, with the ultimate goal to find an artificial intelligence method for locate arbitrary failure modes in hydraulic machinery.

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