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MACHINERY NOISE ASSESSMENT
SOMERSET COUNTY COUNCIL
ECONOMY & PLANNING

Machinery Noise Assessment

The requirement to define the noise emissions of machinery under particular operational situations may be important to:

- Demonstrate compliance with a planning application
- Confirm marketing information
- Provide marketing information
- Investigate design and development improvement
- Express operator noise exposure limits

The requirements of planning conditions and noise control schemes will often stipulate that an operator demonstrate acceptable levels of noise impact. This can require the assessment of machinery noise under typical operating conditions and the determination of noise impacts at noise sensitive locations.

The marketing of plant and machinery can benefit from the presentation of acoustic information. This information can provide a competitive advantage and help customers demonstrate that a product will not give rise to unexpected noise issues.

There is an ever increasing commercial advantage to providing products that are quieter than the competition. Accurate noise assessment can help to demonstrate the effect of design changes and lead to the improvement of a product.

Employers must safeguard their employees from hazardous noise and provision of typical operator noise exposure information can help to demonstrate a responsible product design approach and provide the end user with helpful information to manage risk.

What we can provide

We can offer measurement and advice that provides:

- Free-field or in-situ noise measurement to determine apparent sound power level and frequency noise spectrum of equipment and machinery
- Operator noise exposure assessment

We cannot provide acoustic intensity measurement or offer anechoic or reverberation chamber facilities.