Provision of Noise Consultancy Services for Renewal Application of Quality Powered Mechanical Equipment Label

ANEWR
Environmental & I.T. Consultants

CLIENT: KIN WING ENGINEERING COMPANY LIMITED

LOCATION: HONG KONG

DATE: DECEMBER 2017 – JUNE 2018

TAGS: NOISE MEASUREMENT, SOUND POWER LEVEL, HYDRAULIC CRAWLER, DIRECTIVE 2000/14/EC, ISO STANDARD 3744:2010

USE OF TECHNOLOGY: IN-SITU NOISE MEASUREMENT, MULTI-CHANNEL ACOUSTIC MEASUREMENT SYSTEM

Background

Since 2005, thousands of notably quieter and energy efficient construction equipment items have been registered with Quality Powered Mechanical Equipment (QPME) labels with a validity period up to 6 years. The renewal application of the QPME label for the equipment shall be carried out successively. Specifically, the application requires a noise measurement report prepared by a competent acoustical professional to guarantee the noise performance of the aged QPME. Noise measurement shall therefore be carried out to evaluate the Sound Power Level for each registered QPME.

Our Roles

ANewR has been commissioned by Kin Wing Engineering Company Limited to provide noise consultancy service in support of renewal of QPME labels for their hydraulic crawlers. ANewR is responsible for carrying out the sophisticated in-situ noise measurement in full compliance with relevant requirements as stated in Directive 2000/14/EC of the European Parliament and of the Council and International Standards (ISO Standards) ISO 3744:2010.

Key Values to Client

ANewR has carried out noise measurements for the existing QPME and set up the QPME application web platform for Environmental Protection Department (EPD). Our competent acoustical professionals possess in-depth knowledge of the international measurement standards and are familiar with the local assessment methods for the QPME renewal application. Thus, we are able to offer advice with every single detail of QPME renewal application up to the satisfaction of the EPD. In addition, we also utilise state-of-the-art multichannel acoustic measurement system to carry out the most efficient measurements.