

Audible Noise & Vibration S.C. – Oklahoma City, Oklahoma

Audible noise & vibrations S.C. met at 8:00 a.m. with 7 members and 10 guests present. Three new members were welcomed to our subcommittee.

The minutes of our April 16 meeting in Vancouver, Canada were approved as submitted.

During the Chairman's remarks, Jeewan Puri reported that the working group for revising the test procedure for making sound level measurements using sound intensity and sound pressure measurements had completed this task. This procedure will now be submitted for inclusion in the test codes C57.12.90 and C57.12.91 as Section 13 for liquid filled and dry type transformers.

WG Report: Jim Nielsen; the Chairman of the WG for writing "Sound Level Measurement Guide" could not attend this meeting for personal reasons. In his absence, Jeewan Puri conducted this meeting. This WG met on Tuesday October 2 at 3:15 p.m. with 6 members and 13 guests present. Eight new members were welcomed to this working group.

The working group started the project for writing a sound level measurement guide using IEC 60076-10-1 as a reference document.

Jeewan Puri presented a detailed overview of the IEC 60076-10-1 Sound level measurement guide to the working group. The general content and the style of this document was reviewed.

It was agreed that Jeewan Puri will obtain a word version of this document and circulate it as Draft 1 of this document and obtain comments from the working group members. These comments will be discussed in the next WG meeting.

New Business:

Mr. Jessie Patton made a brief presentation on using sonic and ultrasonic vibration measurements as a diagnostic tool for transformers.

Mr. Bill Chu presented sonic and ultrasonic vibration measurements made on a transformer before and after tightening the transformer windings.

The subcommittee recognized that using transformer vibration pattern as a diagnostic tool is indeed an interesting subject. However, additional expertise will be needed to pursue this topic in the future. Messrs. Alan Darwin, Jessie Patton and Richard Dudley agreed to collecting technical papers and measurement data for further evaluation of this topic by this subcommittee.

The meeting adjourned at 9:15 am.
Jeewan Puri

October 23, 2002

