

INTERNATIONAL BIODETERIORATION RESEARCH GROUP

Functional Fluids Project Group: Annual Report 2014

Report No: IBRG/FFG13-026

Date: April 2015

The FF Project Group met twice in the 2014 period. Twenty two participants attended a meeting in April in Prague, Czech Republic and 16 participants attended in October in Athens, Greece.

The work of the group in 2014 was focused on improving the clarity of the IBRG test method (A Method for the Evaluation of Biocidal Compounds in Aqueous-Based Metalworking Fluids), especially regarding the validation of neutralisers and definition of growth.

The next phase of activity will focus on the effectiveness of biocides to preserve spin finishes used in textile industry. On behalf of the group, Bernd Blech (Trevira GmbH, Germany) made contact with the German TEGEWA e.V. association. The association indicated that it would be willing to assist the group by providing a model spin finish formulation.

Given the nature of the applications covered by the group, biofilm formation is of great significance. Darla Goeres from the Center for Biofilm Engineering, Montana State University, USA joined the group and gave a presentation on Biofilm Methods Development, Part 1: A discourse on parameters which influence biofilm growth, treatment, sampling and analysis. She will continue to work with the Functional Fluids Group.

Ina Stephan, Chair of IBRG Functional Fluids Project Group