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A Novel Method of Condition Monitoring Report Presentation

P. U. Pathy

Scaanray Metallurgical Services, Chennai – 600 058, India
Email: docpathy@yahoo.com, scaanray@md3.vsnl.net.in

Abstract

Language plays a vital role in communication of any form. Written language, symbols, graphs and drawings are used appropriately for effective communication in technical reporting. Technical reporting is the gist of the activity carried out in any discipline. A novel presentation method has been conceived, developed and adapted in technical reporting of Condition Monitoring / assessment, which has been derived specially for inspection and testing services of any kind of component part or equipment. This method communicates effectively the scope, test methods, acceptance level of results based on codes / standard, action plan based on these acceptance level and remnant life of the individual/joints/spots and component and past history of similar tests carried out in a total perspective. A boiler drum is taken as typical example to high light this novel method of presentation. NDE methods which were carried out on the drum in the previous years, acceptance level and action plan recommended at that time are represented by green color square and rounded off callouts while the current NDE methods status are referred by blue square callout and action plan by red round off callouts. This novel method of presentation is adapted for the total condition monitoring / assessment of plant components of power and petrochemical sector.

Key words: Condition Monitoring – Blue Square Callout – Scope and Acceptance level – Red rounded off square callout - Action Plan - Green color callouts - Square and round off.