

Talk on “Steam Boiler System Act and Regulations, Safety and Inspection”

Date : Saturday, 8th December 2018
Venue : IEM (Southern Branch) Training Centre, 24-B Jalan Abiad, Taman Tebrau Jaya, Johor Bahru
Speaker : Ir. Azman Bin Ahmad, Department of Occupational Safety and Health, Johor

Synopsis

A Steam Boiler is defined as a closed vessel which uses heat and convert water into steam for a variety of application. In technical terms, as in under Act 139, Factories and Machinery Act, 1967, Section 3; Steam Boiler "means any closed vessel in which for any purpose steam is generated under pressure greater than atmospheric pressure, and includes any economizer used to heat water being fed to the vessel, and any superheater used for heating surface, and any pipes and fittings connected thereto". Most industries in Malaysia is using Steam Boiler in their operations. The main purposes of a steam boiler that industries used are for Power generation, Industrial process and Heating.

The scope of this talk will elaborate on Act 139 Factories and Machinery Act, 1967 and its regulations that related with the Steam Boilers. The talk will start with a general introduction to definition of Steam Boilers and categories of boilers follow by the design of a steam boiler based on international codes such as American Society of Mechanical Engineers (ASME), British Standard or others recognized international standard and constructing of a steam boiler based on its essential fittings equipment’s as required in acts and regulations.

The talk will continue with steam boiler operations including Boiler Competencies recognized by DOSH (Steam Engine Driver and Steam Engineer), Standard Operations Procedure, SOP’s related to steam boiler, fuel system categories (solid fuel, liquid fuel and gaseous fuel), control system instruments (drum water level control, steam pressure control, fuel consumption control), quality of water treatment plant as well as its good functioning boiler equipment’s and fittings.

The objective of the talk is to give a better understanding on Steam Boilers Safety and Inspection for our young engineers and practicing engineers to get some insight on the Act 139 Factories and Machinery Act, 1967 etc. to upkeep on the knowledge of Steam Boiler system.

Time	Programme Tentative
8.30 a.m. - 9.00 a.m.	Registration
9.00 a.m. – 9.10 a.m.	Welcome Speech By IEM (SB) Organising Committee
9.10 a.m. – 10.30 a.m.	Session 1: Steam Boiler Act and Regulations, Safety and Inspection
10.30 a.m.- 10.45 a.m.	Coffee Break
10.45 a.m.- 12.15 p.m.	Session 2: Steam Boiler Act and Regulations, Safety and Inspection
12.15 p.m.- 12.45 p.m.	- Discussion - Questions & Answers Session
12.45 p.m.	End

Speaker Biodata

Ir. Azman Ahmad, received Diploma from Universiti Teknologi MARA in 1991, bachelor’s Degree in Mechanical Engineering and master’s Degree in Technology in 1999 and 2008 respectively. He started his career as an Assistant Factory and Machine Inspector with Department of Occupational and Safety Health (DOSH) Johor. Then he became Assistant Director (Investigation and Prosecutor), Statuary Unit and later worked at DOSH, Headquarters as Senior Assistant Director in Policy and Development Division. He is now holding the post as Section Head, Small and Medium Industries at DOSH Johor. He had vast experience in giving lecture at National Institute Occupational and Health (NIOSH) Johor and relevant agencies such as on the Occupational Safety and Health (OSH) Regulation and Management etc.

Participant Fees:

Grade	Online	Normal
IEM Corporate Member & Graduate Members (30 years and above)	RM 80.00	RM 100.00
IEM Senior Engineers (60 years and above)	RM 70.00	RM 90.00
IEM Graduate Members (Below 30 years)	RM 70.00	RM 90.00
IEM Student Members	RM 60.00	RM 70.00
Non-Member	RM 160.00	RM 180.00

Closing Date: 4th December 2018

For ONLINE REGISTRATION, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708) before the **closing date**.

Registration will be on a first-come-first-serve basis. Kindly return the Reply Slip to the IEM (SB) office before **4th December 2018** together with a non-refundable cheque for the participant fees made payable to ***The Institution of Engineers, Malaysia (Southern Branch)***. Alternatively, you could bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)

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Saturday, 8th December 2018, 9.00 a.m. – 12.45 p.m. at the IEM (Southern Branch) Training Centre, Johor Bahru

I wish to attend the above talk. I enclosed herewith a cheque No. for the amount of RM.....as payment for the seminar fee.

Name of Member:Membership No:.....

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Address:Tel (O): Fax :.....

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