



Ain Shams University  
Faculty of Science  
Chemistry Department

# **Evaluation of Some Functionalized Thiazolidinones and Poly Aromatic Amines as Multi-functional Additives for Lube Oil Base Stock**

**A Thesis  
Submitted of the Requirements for the Ph.D of Science Degree In  
Chemistry**

**By**

**Hoda Abdel-Azeem Mohammed Awad-Allah**

(Egyptian Petroleum Research Institute (EPRI))  
(M.Sc. in Organic Chemistry 2014 – Helwan University)

**Presented To  
Chemistry Department  
Faculty of Science  
Ain Shams University  
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2019**



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**A Thesis Submitted in Partial Fulfillment of the Requirements for the  
Ph.D of Science Degree In Chemistry**

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**Presented To**

**Chemistry Department, Faculty of Science, Ain Shams University  
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Ain Shams University  
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