



祝贺：

中国工业防腐蚀技术协会

成立

35年

ISSN 1008-7818



9 771008 781147

万方数据



全面腐蚀控制

技术篇

【专论】

1 海上某油田采油树水相出口管线腐蚀失效分析

/李晓成 厉嘉滨 陈经华

14 间苯二甲酸装置压力容器腐蚀情况及修复

/赵立静

【经验交流】

20 不锈钢传输带裂纹修复工艺优化

/杜亮 杨永磊 孙存辉 葛惠琴 赵新文

24 船体外加电流阴极保护系统设计与应用

/王金福 汪成宿 宋航

29 延迟焦化消泡剂的室内评选

/陈更 秦俊岭 徐慧 赵起锋 王伟杰 刘博

32 给排水管道防腐施工新技术

/张思野

34 防腐管材在油田集输工程中的应用体会

/周建军

36 地面集输系统腐蚀原因及防腐技术研究

/金鹏

38 储水罐内腐蚀规律及微观原因探讨

/王申坤

40 储罐罐底边缘板腐蚀探讨

/魏勇伟

42 船舶低表面能防污涂料现状及展望

/张云 杨松 艾迎春 姜松涛 张攀 王宇鑫

46 油田地面建设技术发展趋势浅析

/韩怀亮

48 管道运输阴极保护及防腐智能管理系统

/姜云鹏

50 高含硫天然气净化装置胺液冷却器换热管腐蚀

失效分析

/张杰

55 油田土地规划的环境影响评价探讨

/马世滨

58 油田集输管线集中除垢工艺探讨

/邵玮

61 油田场站改造施工中的施工要点探讨

/常程

63 几种氯化消毒剂在净水厂中的应用分析

/王丽

66 化学驱含油污水外排处理技术研究综述

/江旭

68 工程机械设备管理存在问题分析

/王忠伟

71 房屋土建工程质量监督管理问题分析

/尚宇

73 电力自动控制在低压配网中的应用探讨

/王德波

76 城镇供热管道的腐蚀原因与防腐措施分析

/韩雪峰

78 城市生活污水短程硝化的关键控制因素探讨

/周佳鹏

【腐蚀研究】

81 消防水管道内壁腐蚀超声导波检测应用

/李伟光 孔全兴 杨宏欢

85 粉煤灰在火电厂防腐涂料填充剂的应用

/余子炎

90 预应力钢筒混凝土管的多重防腐蚀途径

/易莉雅

92 油田管线防腐保温问题及措施

/高连庆

94 油气长输管道工程施工风险管理探析

/王照辉

96 油气储运中的管道防腐问题分析

/林兴武

98 影响油气长输管道腐蚀的主要因素分析及对策

/苏杰臣

100 橡胶防腐衬里在不锈钢换热器防腐维修上的应用

/吴昉赞 周澄 赵卫东 刘洪群

104 污水罐腐蚀原因分析及防腐措施分析

/王超然

106 热力管网设计与施工中相关问题分析

/杨美玲

108 热力管道防腐保温技术研究

/王建军

111 浅析供热管线防腐施工要点

/曲显武

113 埋地油气管道外防腐层检测及修复探讨

/张闯

115 立式储罐防腐施工工程要点

/王中山

117 长输管道阀门内漏失效分析和控制措施

/郝小虎 赵炜 李建国 杨涵 胡学兵

孙大为

TOTAL CORROSION CONTROL

(Monthly)

Vol. 34 No.07 (Serial No. 244)

JUL 28, 2020

CONTENTS

• Monograph •

- Corrosion Failure Analysis of the Water Phase Pipeline of the Oil Extraction Tree in an Offshore Oil Field LI Xiao-cheng, LI Jia-bin, CHEN Jing-hua (1)
Corrosion Analysis and Repairing of Pressure Vessels in PIA Plant ZHAO Li-jing (14)

• Experience Exchange •

- Crack Repair Process of Stainless Steel Transmission Belt DU Liang, YANG Yong-lei, SUN Cun-hui, GE Hui-qin, ZHAO Xin-wen (20)
Design and Application of ICCP for Hull WANG Jin-fu, WANG Cheng-su, SONG Hang (24)
Indoor Evaluation of Delayed Coking Defoaming Agent CHEN Geng, QIN Jun-ling, XU Hui, ZHAO Qi-feng, WANG Wei-jie, LIU Bo (29)
New Technology for Anti-corrosion of Water Supply and Drainage Pipeline ZHANG Si-ye (32)
Application Experience of Anticorrosive Pipe in Oil Field Gathering and Transportation Engineering ZHOU Jian-jun (34)
Research on Corrosion Causes and Ground Gathering and Transportation System JIN Peng (36)
Study on the Corrosion Rule and Microcosmic Cause of Water Storage Tank WANG Shen-shen (38)
Discussion on Corrosion of Tank Bottom Edge Plate WEI Yong-wei (40)
Present Situation and Prospect of Antifouling Coatings With Low Surface Energy for Ships ZHANG Yun, YANG Song, AI Ying-chun, JIANG Song-tao, ZHANG Pan, WANG Yu-xin (42)
Analysis on the Development Trend of Oilfield Surface Construction Technology HAN Huai-liang (46)
Intelligent Management System of Cathodic Protection and Anticorrosion for Pipeline Transportation JING Yun-peng (48)
Corrosion Failure Analysis of Amine Water Cooler Tube in Natural Gas Purification Plant ZHANG Jie (50)
Discussion on Environmental Impact Assessment of Oilfield Land Planning MA Shi-bin (55)
Discussion on Centralized Descaling Process of oil Field Gathering and Transportation Pipeline SHAO Wei (58)
Discussion on the Main Points of Construction in the Reconstruction of Oil Field Yards and Stations CHANG Cheng (61)
Application Analysis of Several Chlorinated Disinfectants in Water Purification Plant WANG Li (63)
A Review of the Research on the Outflow Treatment Technology of Chemical Flooding Oily Wastewater JIANG Xu (66)
Analysis of Problems in Construction Machinery Equipment Management WANG Zhong-wei (68)
Analysis of Quality Supervision and Management of Housing Civil Engineering SHANG Yu (71)
Discussion on Application of Electric Power Automatic Control in Low Voltage Distribution Network WANG De-bo (73)
Analysis of Corrosion Causes and Anti-Corrosion Measures of Urban Heating Pipeline HAN Xue-feng (76)
Discussion on Key Control Factors of Short-range Nitrification of Urban Domestic Sewage ZHOU Jia-peng (78)

• Corrosion Research •

- Ultrasonic Guided Wave Testing Applications of the Inside Fire Main Pipe Corrosion LI Wei-guang, KONG Quan-xing, YANG Hong-huan (81)
Application of Fly Ash in the Filler of Anticorrosive Coating in Thermal Power Plant YU Zi-yan (85)
Multiple Anti-Corrosion Ways of Prestressed Steel Tube Concrete Pipe YI Li-ya (90)
Anticorrosion and Heat Preservation of Oil Field Pipeline GAO Lian-qing (92)
Analysis on Construction Risk Management of Long - distance Oil and Gas Pipelines WANG Zhao-hui (94)
Analysis of Pipeline Anticorrosion in Oil and Gas Storage and Transportation LIN Xing-wu (96)
Analysis of the Main Factors Affecting the Corrosion of Oil and Gas Long-distance Pipeline and Countermeasures SU Jie-cheng (98)
Application of Anti-corrosion Rubber Lining in Corrosion Repair of Stainless Steel Heat Exchanger WU Fang-yun, ZHOU Cheng, ZHAO Wei-dong, LIU Hong-qun (100)
Analysis of Corrosion Reasons and Anticorrosion Measures of Sewage Tank WANG Chao-ran (104)
Analysis of Related Problems in Thermal Pipe Network Design and Construction YANG Mei-ling (106)
Research on Anticorrosion and Heat Preservation Technology of Thermal Pipeline WANG Jian-Jun (108)
Analyses the Heating Pipeline Anticorrosion Construction Points QU Xian-wu (111)
Discussion on the Detection and Anticorrosion Layer of Buried Oil and Gas Pipeline ZHANG Chuang (113)
Key points of Anticorrosion Construction of Vertical Storage Tank WANG Zhong-shan (115)
Failure Analysis and Control Measures of Valve Internal Leakage in Long Distance Pipeline HAO Xiao-hu, ZHAO Wei, LI Jian-guo, YANG Han, HU Xue-bin, SUN Da-wei (117)

Sponsored by China Industry Anticorrosion Technology Association (CIATA)

Edited and Published by the Editorial Department of TOTAL CORROSION CONTROL

Honorary Chairman of Editorial Committee: PAN Lian-sheng

Chairman of Editorial Committee: KE Wei

Editor in Chief: REN Zhen-duo (Concurrently)

Add: C-509, Yayunhaoting, No.9 Xiaoying Rd, Chaoyang Dist., Beijing, China

Post Code: 100101

Tel: (8610) 64896415 64896750

Fax: (8610) 64896415

Fixed Price: US\$ | 6.00

Web site: <http://www.ciata-tcc.com>