★中国核心期刊(遴选)数据库收录期刊
★中国学术期刊综合评价数据库(CAJCED)统计源期刊

ISSN 1008-2263 CN 11-3945/TE

OIL DEPOT AND GAS STATION



SHIYOUKU YU JIAYOUZHAN







2013 第 6 期

第22卷 总第130期 Vol.22 Total No.130



石油库的加油站

SHI YOU KU YU JIA YOU ZHAN

储运技术

1992 年创刊(双月刊) 第 22 卷 第 6 期 总第 130 期 2013 年 12 月 20 日出版

编委会名誉主任:李春光 张海潮 编委会主任:左兴凯

副主任:郭飞鸿 王文联 王维民 王 靓

特邀顾问:吕 品 柴志明 委员:

副社长:郭飞鸿 王文联

主编:王维民

副主编:金万刚

责任编辑:张 玉

主管:中国石油化工集团公司 主办:中国石化销售有限公司 编辑出版:《石油库与加油站》杂志社 国内发行:《石油库与加油站》杂志社

地址:北京市东城区广渠家园 6 号楼 303 室

邮编:100022

电话:(010)67006041;67006042

传真:(010)67006043

E - mail: sykjyz@sina.com

国外发行:中国图书进出口总公司 国外发行代号:2263BM

国外及仃代写: 2203BIVI

印刷:廊坊飞腾印刷包装有限公司 厂址:廊坊市安次区永华道 25 号

邮编:065000

标准连续出版物号: <u>ISSN 1008-2263</u> CN 11-3945/TE

广告许可证号:京东工商广字第8033号 国内定价:每册12元,全年72元

本部对所爱陶文照有 版权,来经之并,不得转载 或复制,本刊课管地诉的 权利

日 次

1 1	10万 m³ 浮顶油罐改造方案 张 毅	李建	民
3	相邻罐施工挤土效应的预防和安全控制措施		
		张佩	军
7	液动卸槽潜油泵的使用、维护及故障处理		
	李祥宾 谌继刚	魏	洁
加气站			
9]	LNG 加气站采用双罐工艺降低损耗的探讨 何オ宁	卢	亿
安全技术			
11	成品油公路运输的防盗方法	雷壮	吉
14	加油站电气系统存在的通病与防治 张全奎 聂世全	孔佐	铭
数质	量管理		
18	浅析汽油中部分抗爆添加剂和组分的影响及监控	郑东	前
安全管理			
22	加油站火灾事故的原因及消防安全管理("生命的保护,我	与 H	ISE
同行"征文)			
25	当前加油站安全管理存在的问题及对策("生命的保护,我	与 H	ISE
同行	行"征文)·····	向	东
29	华东管网应急预案管理的经验("生命的保护,我与 HSE 同	司行'	"征
文)		薛海	₹波
31	从加油站设计上预防极端天气破坏的措施	张	龙
经营管理			
33	ERP 在油库业务管理中的应用与整合思考	卞莱	英
36	新加油加气站建设规范对加油站投资与经营的影响	黄华	丝生
非油经营			
39	加油站便利店的供应商关系管理	蒋さ	鸿
报道及其他			
前插 8 2013 年中国石化销售企业储运工技能竞赛决赛圆满落幕			
10	2013年中国石化销售企业储运工技能竞赛获奖选手名单		
17	司机人库提油作业"三字经"("生命的保护,我与 HSE 同行"	'征文	()
28	《石油库与加油站》杂志 2013 年度合订本征订启事		
35	2013 年第 6 期广告目次		
38	2014年《石油库与加油站》杂志征订启事		
42	《石油库与加油站》2013年总目次		



OIL DEPOT AND GAS STATION

Bimonthly, Started **Publication in 1992** Vol. 22, No. 6 No.130 totally Dec 20, 2013

Honorary Chairman of Editorial Committee: Li Ch unguang, Zhang Haichao

Chairman of Editorial Committee: Zuo Xingkai Vice Chairman of Editorial Committee: Guo Feiho ng, Wang Wenlian, Wang Weimin, Wang Liang Special Consultants: Lu Pin, Chai Zhiming Members: Zhang Xiulai, Wang Hongchuan, Xu Fubin, Zhang ziao, Feng Peiyu, Li Yuxing, Rui Jiqiang, Chen Biwen, Yin Chaoming, Ren Shixian, Du Yubin, Yang Jiming, Huang He, Li Yiqing, Zheng Jinghua, Jia Yuepeng, Luo Kaiyong, Yan Hua, Huang bingli, Liu Xiangbin, Zhang Tianming, Luo Tonghua, Niu Jingmin, Wang Jinpei, Han Qingyue, Liu Huabin, Wang Min, Han Jie, Xia Fengwu, Wang An, Dai Fujun, Zhou Xuehong, Xu Jiangqiao, Liu Sheng, He Ming, Zhang Yi, Bu Wenping, Gao Jinsong, Du Daolin, Shen Qingqi, Du Hongyan, Zhou Jiaxiang, Han Jun, Jin Wangang

Director: Zuo Xingkai

Vice Director: Guo Feihong, Wang Wenlian

Editor-in-Chief: Wang Weimin Vice Editor-in-Chief: Jin Wangang

Editor-in-Charge: Zhang Yu

Responsible Department: China Petrochemical

Corporation (SINOPEC)

Sponsor: SINOPEC Sales Company

Publisher: Editorial Office of Oil Depots and Oil

Stations

Distributor (Domestic): Editorial Office of Oil De-

pots and Oil Stations

Address: Building No.6, Guangqujiayuan, Dongcheng

District, Beijing Postcode: 100022

Tel: (010) 67006041; 67006042

Fax: (010) 67006043 E-mail: sykjyz@sina. com

Distributor (Abroad): China National Publication

Import & Export Corporation

Printer: Fei Teng Printing Co. Ltd of Langfang Address: No. 25, Yonghua Dao Ave Langfang

Postcode: 065000

ISSN 1008-2263; CN11-3945/TE

No. of Ad. License: 8033, Dongcheng District,

Beijing

Domestic Price: RMB72 per year

Copyright gor all originally published reports.

Contents and Abstracts

STORAGE TECHNOLOGIES

1. Discussion on Transforming Option for a 10 × 10⁴ m³ Floating Roof Tank. Zhang Yi, Li Jianmin.

Abstract: According to the requirement of a enterprise, a 10×104 m³ floating roof tank built in 2001 for storage of crude oil needed to be transformed into a vault tank with internal floating roof for storage of diesel. The status of the tank needs to be transformed and the main transformation items are introduced, and the feasibility of transforming option is discussed from the aspects of technology, construction period and investment.

Keywords: oil tanker, transformation, option, discussion.

3. Prevention of Soil Squeezing Effect in Construction of Adjacent Tanks and Safety Control Measures. Wu Gangjian, Mao Pingyao, Zhang Peijun.

Abstract: The static pressure tubal piling construction of tank can produce soil squeezing effect, causing the destruction of soil around the pile, generating the phenomena of soil displacement, surging, pile floating, which results in damage and destruction of the pile itself and the adjacent tank. The preventive measures of anti-squeezing effect in pile construction are varied, combining engineering geology and construction characteristics, applying comprehensive anti-squeezing options, the better control effect can often be achieved. Combining the pile foundation construction and the surrounding tank safety control of No. 456 tanks group of SinoChem in Nantong, integrating the application of various control measures affecting soil squeezing, the adverse effects

· II ·

of the squeezing stress of piling on the pile itself and surrounding of tank are solved, which provides reference of security monitoring and preventive measures for the piling construction of static pressure tubal pile of adjacent tanks.

Keywords: static pressure tubal piling construction, soil squeezing effect, stress release hole, security monitoring.

7. Operation, Maintenance and Troubleshooting of Hydraulic Unloading Submersible Pump. Li Xiangbin, Shen Jigang, Wei Jie.

Abstract: The features, structure and working principle of hydraulic submersible pump installed with unloading crane for railway tanker are introduced, with which there is no air resistance and cavitations phenomena in the crane and pump during unloading, which can improve greatly unloading operation conditions, shorten working time, avoid loss of railway capacity, and reduce environmental pollution of oil products. And according to the performance features of hydraulic unloading submersible pump, the maintenance and troubleshooting methods are presented.

Keywords: hydraulic submersible pump, operation, maintenance, troubleshooting.

GAS REFUELING STATION

9. Discussion on Double - Tanks Process and Loss of LNG Refueling Station. He Caining, Lu Yi.

Abstract: Based on the analysis of single – tank process used in LNG refueling station with large loss, the double – tanks unloading process is introduced and recommended for application. The application results show that double – tanks unloading process can solve the problem of large loss brought by single – tank process.

Keywords: gas refueling station, double – tanks unloading process, loss.

SAFETY TECHNOLOGY

11. Discussion on Guarding Methods Against Theft for Oil Product During Road Transport. Lei Zhuangji.

Abstract: The current common - used guarding

methods against theft for oil product during road transport are described. The advantages and disadvantages of various methods are analyzed, and the integrated monitoring system for tankers is emphasized in detail, in order to provide reference to the relevant managers.

Keywords: oil product, road transport, theft prevention, investigation.

14. The Common Problems Existed in Gas Station Electrical System and Prevention. Zhang Quankui, Nie Shiquan, Kong Youming

Abstract: According to the problems existing in the aspects about design and selection, installation and management, prevention of lightning and electromagnetic pulse in the gas station electrical system, the cause of the problems is analyzed, and prevention and treatment measures to solve the problem are proposed.

Keywords: gas station, electrical system, problem, prevention.

QUANTITY AND QUALITY MANAGEMENT

18. Analysis on Effect of Antiknock Additives and Components in Gasoline and Supervision. Zheng Dongqian.

Abstract: The types and mechanism of gasoline antiknock additives are introduced briefly. The properties of unconventional antiknock additives and components and their hazard to gasoline quality and vehicles are explained. Three effective detecting methods are presented, and some advices on supervision of unknown additive and component are proposed as well.

Keywords: gasoline, unconventional additives, quality supervision.

SAFETY MANAGEMENT (HSE ACTIVITIES ESSAY)

22. Cause of Fire Accidents in Gas Stations and Fire Safety Management. Luo Yilin.

Abstract: By analyzing the causes of fire accidents and fire safety management in gas stations, the key points of fire safety management in gas stations are pointed out, hoping that by understanding and pre-

· III ·

vention, fire accidents in gas station can be effectively controlled and prevented.

Keywords: gas station, fire accident, fire safety management.

25. The Current Gas Station Safety Management Problems and Countermeasures. Xiang Dong.

Abstract: The current problems existing in gas station safety management are described from six aspects, such as "'fatigue' of security awareness of employees, lack of normal human safe behavior". In order to solve these problems, four areas of improvements and suggestions are proposed.

Keywords: gas station, safety management, problem, countermeasure.

29. Experience of Emergency Plan Management of East China Pipeline Network. Xue Haibo.

Abstract: The emergency plan management experience of SINOPEC East China Pipeline Network is introduced, i. e., first, focusing on "combination" during the development of emergency plan; second, taking effort on the implementation of the plan; third, paying more attention to the fulcrum of security mechanism.

Keywords: East China Pipeline Network, emergency plan, management, experience.

31. Prevention Measures for Extreme Weather Damage in Gas Station Design. Zhang Long.

Abstract: The problem of how to fully consider avoiding the typical natural disasters damage such as snow, storms, and floods in the gas stations design process is analyzed, and the concrete solutions are proposed.

Keywords: gas station design, natural disaster, prevention measures.

OPERATION MANAGEMENT

33. Introduction on Application of ERP in Oil Depot Business Management and Consideration of Integration. Bian Juying.

Abstract: By analyzing the application of ERP system in oil depot business management, for the

problems in business management, the prevention and control methods are presented. The ideas for integration and development are proposed to realize optimization of resources application.

Keywords: ERP, oil depot management, application analysis, consideration.

36. The Effect of Refueling Stations Construction Specifications on Investment and Operation of Gas Stations. Huang Huasheng.

Abstract: The effect of newly released national standard GB 50156—2012 "Code for design and construction of filling station" on investment and operation of gas stations is analyzed. According to the new specification, rational planning of the construction of gas stations, improving land utilization, enhancing self – service, half self – service stations construction, increasing product variety, improving economic efficiency of enterprises, and promoting sustainable development are proposed.

Keywords: refueling stations, investment, operation

NON - OIL BUSINESS

39. Discussion on Relationship Management of Suppliers for Convenience Store in Gas Station. Jiang Zhihong.

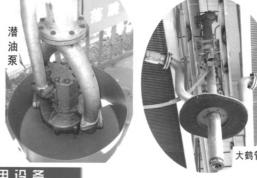
Abstract: The relationship management issues of enterprise with suppliers for gas station convenience store are discussed. Through strict suppliers selection, enterprise can strengthen suppliers evaluation and classification management, realize active guide, adjustment and cooperative relations with suppliers and business model, through the integration of resources of both sides, play both competitive advantage of both sides, and achieve the purposes of reducing costs, finding new profit growth point, and improving the business quality of gas station convenience store.

Keywords: gas station convenience store, supplier, relationship management.

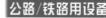


ISO9001-2008







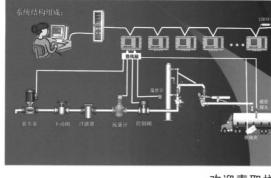


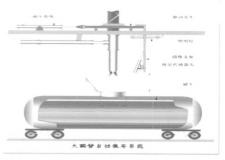






自动化





欢迎索取样本资料!

LIANYUNGANG ZHENXING(GROUP) PETROCHEMICAL EQUIPMENT MANUFACTURE CO., LTD

地址: 连云港市经济开发区大浦工业园云桥路10号

电话: 0518-85150100 85152700

传真: 0518-85152706

邮编: 222006

Http: //www.zxpeco.com

E-mail: zxsh@zxpeco.com

标准连续出版物号:

ISSN1008-2263 CN11-3945/TE

广告许可证号:京东工商广字第8033号

定价: 12.00元 全年:72.00元