

LUBRICATING OIL 润滑油



- ilac-MRA, CNAS NO.5287 资质实验室
- 按照ISO17025运作的独立第三方油液检测和石油仪器计量实验室
- 3rd Party Independent Testing & Calibration Lab in China
- 做样周期短，价格合理，数据可靠
- Short Turn Around Times, Reasonable Price, Reliable Data
- 参加各种能力比对活动
- Attend ASTM and CNAS Proficiency Testing Programs
- 设备润滑状态监测
- Machinery Lubrication Condition Monitoring



3 2915 3171 7

ults



润英蓝地计量检测（上海）有限公司
Runningland Metrology & Testing (Shanghai) Co.,Ltd.

400-820-5768 (TOLL FREE)
WWW.RUNNINGLAND.CN



万方数据

目次

油品研究与应用 Oil Research & Application

- 航空发动机润滑油抗结焦性能研究 张丙伍, 李静, 吕丙琴, 等 (1)
Calcium Sulfonate Complex Grease—25 Years Young Wayne Mackwood (4)
涤纶高速纺DTY油剂的研制 董莹, 魏朝良, 高显振, 等 (17)

添加剂 Additive

- 表面修饰ZnS纳米粒子的制备及在500SN中的摩擦学性能研究
..... 丁雅勤, 石华强 (22)

分析与评定 Analysis & Evaluation

- 车用润滑油液黏度监测方法适应性研究 谢平平, 孙成杰, 肖奇, 等 (26)

加工工艺 Processing

- 液压油抗乳化首检不合格原因探讨 李会云, 范文光, 闫拴紧 (32)
催化加氢-溶剂抽提联合工艺制备高C_A值环保型橡胶填充油
..... 刘东, 王云霞, 赵丽萍, 等 (37)

机械设备 Machinery Equipment

- 先进的计量设施和管理手段在润滑油生产中的应用 陈志, 宫丽虹 (43)

基础研究 Basic Research

- 橡胶油理化性质与玻璃化转变温度关联性的研究
..... 马丙水, 郭春梅, 胡玉华, 等 (48)
利用QCM-D研究ZDDP在不锈钢表面的吸附行为
..... 官婷婷, 张东恒, 孔令杰, 等 (55)

简报 Brief

- 新型碳纳米添加剂的摩擦学性能研究进展 谢凤, 李磊, 葛世荣 (61)

简讯 News

- 航空润滑油性能要求 (16)
欧洲制造商认为目前食品工业润滑剂分类容易误导消费者 (21)
ACEA 2012规格正式颁布 (42)
北京将于2016年实施京VI排放标准 (47)
Sasol将在美国建立GTL基础油项目 (54)
我国轻型车国V排放标准二次征求意见 (60)
中国石油第二代润滑油基础油异构脱蜡催化剂获得应用 (60)
重组分环烷基油有望部分替代I类基础油 (64)



下期要目

1. 冷态钢板矫直机传动齿轮箱润滑油的设计应用
2. 环保橡胶填充油生产技术研究进展
3. 以T114D为主剂研制70TBN船用气缸油复合剂
4. 润滑油基础油调合工艺应用研究

主管单位：中国石油天然气集团公司

主办单位：中国石油润滑油公司

编辑出版：《润滑油》编辑部

编辑部地址：大连市沙河口区星海中龙园4号

邮编：116021

采编部电话：(0411)84678975 / 84675373

广告、设计部电话：(0411)84678140 / 84676932

发行部电话：(0411)84678070

传真：(0411)84676932

E-mail：rhyedit@petrochina.com.cn

编委会主任：宫伟军

主编：高辉

责任编辑：徐连芸

英文编辑：孙永彦

广告、设计：孙永彦 于硕

印刷：大连市东晟印刷有限公司

出版日期：2013年6月5日

国内总发行：大连市邮电局

国内订阅处：全国各地邮电局

国外总发行：中国国际图书贸易总公司(北京399信箱)

国内邮发代号：8-212

国外发行代号：BM4699

刊号：ISSN 1002-3119

CN 21-1265/TQ

广告许可证：大工商广字0276号

定价：12.00元

CN 21-1265/TQ * 1986 * b * A4 * 64 * zh * P * ¥12.00 ** 11 * 2013-06

CONTENTS

Oil Research & Application

- Research on anti-coking performance of aviation engine oil.....
.....Zhang Bingwu,Li Jing,Lv Bingqin,et al (1)
Calcium sulfonate complex grease—25 years young.....Wayne Mackwood (4)
Development of PET-DTY high-speed spinning oil.....
.....Dong Ying,Wei Chaoliang,Gao Xianzhen,et al (17)

Additive

- Preparation of surface-modified ZnS nano-particles and the research of tribological properties in base oil 500SNDing Yaqin,Shi Huaqiang (22)

Analysis & Evaluation

- Study on the adaptability of monitoring methods for viscosity of automobile lubricating oilXie Pingping,Sun Chengjie,Xiao Qi,et al (26)

Processing

- Discussion on unqualified causes of first inspection of hydraulic oil's demulsibilityLi Huiyun,Fan Wenguang,Yan Shuanjin (32)
Preparation of environmental-friendly rubber filling oil with high C_A value by combined process of catalytic hydrogenation-solvent extraction
.....Liu Dong,Wang Yunxia,Zhao Liping,et al (37)

Machinery Equipment

- The application of advanced metering facilities and management means in lubricating oil production.....Chen Zhi,Gong Lihong (43)

Basic Research

- Study on the relationship between glass transition temperature and physicochemical properties of rudder oil.....
.....Ma Bingshui,Guo Chunmei,Hu Yuhua,et al (48)
Study on the adsorption behavior of ZDDP on stainless steel surface using QCM-DGuan Tingting,Zhang Dongheng,Kong lingjie,et al (55)

Brief

- Advances on tribological properties of new carbon nano-additives
.....Xie Feng,Li Lei,Ge Shirong (61)



NEXT ISSUE CONTENTS

- Application of lubricating oil in steel plate cold straightener drive gear box
- Research progress on production technology of environmental-friendly rubber extender oil
- Study on the additive package for 70TBN marine cylinder oil based on T114D metal detergent
- Application research of lube base oil blending technology

Responsible Institution: China National Petroleum Corporation Lubricating Oil **Address:** No.4 Xinghai Zhonglongyuan, Shahekou District, Dalian 116021, China

and Designing: (0411)84678140, 84676932

Sponsor: PetroChina Lubricant Company

Editorial: (0411)84678975, 84675373

Chairman of Editorial Committee: GONG Wei - jun

Advertising

SUN Yong - yan **Advertising and Designing:** SUN Yong - yan

Editor in Chief: GAO Hui

Editor in Charge of This Issue: XU Lian - yun

YU Shuo **Distributor (Domestic):** Dalian Post Office

Subscription (Domestic): All

Post Offices in China (Code No.8-212) **Distributor (Abroad):** China International Book Trading Corporation, P.O.Box399, Beijing, China (Code No.BM4699)