

# Test Report

**Applicant:** SPB INDUSTRIAL CO.,LIMITED

**Applicant address:** Building 1#,58 Kangxing West Rd,Dayun, Jiashan,Zhejiang,China

**Testing period:** Dec.13, 2013~Dec.19, 2013

**For and on behalf of**  
**TÜV Rheinland (Shanghai) Co., Ltd.**

Dec.19,2013

Yixiang Shen  
Metal Materials Lab  
Authorized Signatory

Date

Name

1. Sample information:

**Sample name:** Bearing Pad

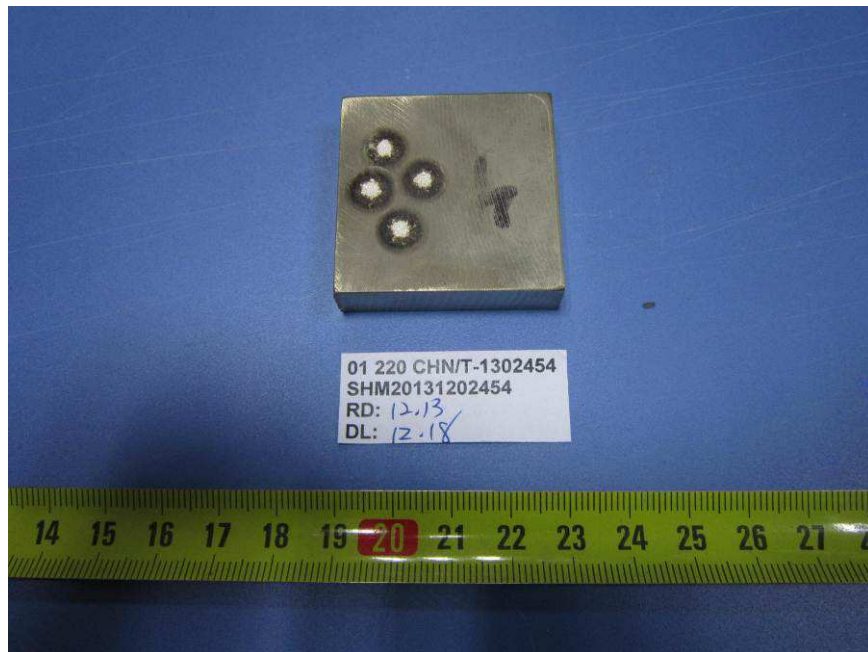
**Sample No.:** SHM20131202454

**Sample receiving date:** Dec.13, 2013

**Sample description:** A piece of copper alloy

**Other information:** Material and Mark: CuAl8Fe4Ni5.

Sample photo(s):



**2. Test result:**

**2.1 Chemical composition analysis:**

**Test method:** ICP-OES; Electrolytic analysis

Element	Mn	Ni	Cu	Al	Fe
Result,%	1.36	5.03	80.01	8.24	5.00

**2.2 Hardness test:**

**Test method:** ISO 6506-1:2005

Hardness scale	Result		
HBW5/250	131	135	132

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