

## TEST REPORT

CUSTOMER NAME: Mixsteel industrial international trading Co., Ltd.  
ADDRESS: /

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : Compact pivot pin  
Material and Mark : 14NiCr14  
Test Item : Hardness test, Depth of carburized case measurement  
Date of Receipt : 2019-03-19  
Testing Start Date : 2019-03-20  
Testing End Date : 2019-03-20  
Test result(s) : For further details, please refer to the following page(s)

\*\*\*\*\*To be continued\*\*\*\*\*

Signed for and on behalf of  
International Standard Quality  
Technology(Qingdao) Co., Ltd.

*Eve Wang*

*Roy Luo*

*Gmi Li*

Drafted by: Eve Wang

Checked By: Roy Luo

Authorized signatory: Gmi Li

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## TEST REPORT

### 1. Hardness Test

Test Method: ISO 6508-1:2016

Test item	Test position	Result			Average
HRC	Surface	61.4	61.7	61.8	61.6

### 2. Depth of Carburized Case Measurement:

Test Method: SAE J423:1998

Sample	Test location (From surface) (mm)	Results (HV0.5)		Convert to HRC	
		Position 1	Position 2	Position 1	Position 2
-	0.10	728	733	61.3	61.5
	0.20	745	749	62.0	62.1
	0.30	726	726	61.2	61.2
	0.40	634	655	57.0	58.1
	0.50	553	560	52.6	53.0
	0.60	494	507	48.7	49.6
Depth of carburized case (mm)	-	-	-	0.57	0.59

 Note: 1. Conversion per ASTM E140-12b<sup>ε1</sup>, the results are only for reference.

2. The depth of carburized case based on hardness method is vertical distance from surface to the point where the hardness is 50HRC.

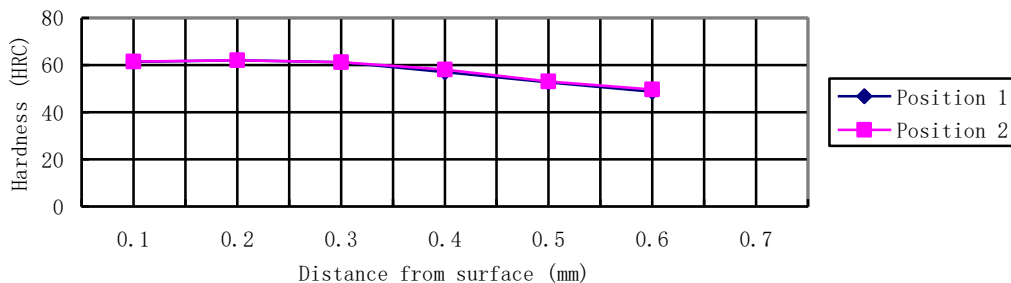


Fig.1 Hardness-depth curve of sample

\*\*\*\*\*To be continued\*\*\*\*\*

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## TEST REPORT

Sample Photos:



\*\*\*\*\*End of report\*\*\*\*\*

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