SETSCO SERVICES PTE LTD
SETSCO
18 Teban Gardens Crescent
Singapore 608925
Tel : (65) 6566 7777
Fax: (65) 6566 7718
Website: www.setsco.com
Business Reg. No. 196900269D

TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

Your Ref: PO: 2012-07-073 & 2012-07-074 | Our Ref: MM-29049/HKJ | Date: 26 July 2012

Subject : Testing of coupon samples submitted by Richport Technology Pte Ltd on 06 June 2012.

Tested for : **RICHPORT TECHNOLOGY PTE LTD**
No.107 Neythal Road
Singapore 628595

Attn : LEAH S. REGLOS

Date & Place of Test : 24 to 25 July 2012 at Setsco Laboratory

Method of Test : ASTM B578 : 2004 -Standard Test Method for Micro-hardness of Electroplated Coating.

Description of Sample : Four (02) pieces of coupon samples were received as follows:-

S/No.	Sample Ref.	Qty
1	High Phosphorus EN Plating –Batch 1	02

For identification purposes, the two sample was labelled as B1-1 and B1-2

Results : Microindentation hardness test
Refer to table 1attached

HAN KIAN JUAN
Testing Officer

WONG KOK WAH
Executive Engineer (Mechanical Testing)
Mechanical Technology Division

ACCREDITED LABORATORY SAC-SINGLAS

*The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Singapore Accreditation Council - Singapore Laboratory Accreditation Scheme" LA-1994-0068-A, LA-1987-0001-B, LA-1993-0067-G, LA-1993-0051-C, LA-1998-0144-D, LA-2000-0181-F.

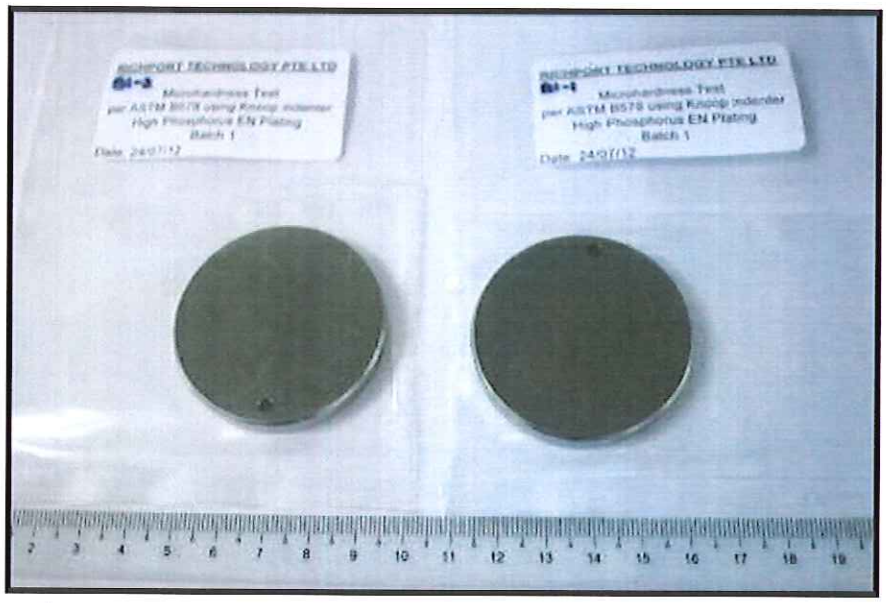
Results:

Table 1a and 1b: Microindentation Hardness Measurement (HK_{100gf}#) using 1000X mag

(1a)

Sample Reference (High Phosphorus EN plated coupon)		B1-1		B1-2	
		HK 100gf	HV Converted	HK 100gf	HV Converted
Location (Randomly Selected)	Point 1	475.3	453.9	472.0	451.1
	Point 2	488.8	465.6	475.0	453.7
	Point 3	488.3	465.1	492.5	468.8
	Point 4	474.6	453.3	475.3	453.7
	Point 5	479.5	457.5	471.7	450.8
Standard Deviation		6.2	5.3	7.7	6.7
Mean Average		481.3	459.1	477.3	455.6

Notes: '# Conversion is based on relationship for carbon steel materials.
(HK denotes Knoop Hardness Value, HV denotes Vickers Hardness Value)



Samples as received.

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TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

Your Ref: PO: 2012-07-074 Our Ref: MM-29048/HKJ Date: 26 July 2012

Subject : Testing of coupon samples submitted by Richport Technology Pte Ltd on 06 June 2012.

Tested for : **RICHPORT TECHNOLOGY PTE LTD**
No.107 Neythal Road
Singapore 628595

Attn: LEAH S. REGLOS

Date & Place of Test : 24 to 25 July 2012 at Setsco Laboratory

Method of Test : ASTM B578 : 2004 -Standard Test Method for Micro-hardness of Electroplated Coating.

Description of Sample : Two (02) pieces of coupon samples were received as follows:-

S/No.	Sample Ref.	Qty
1	High Phosphorus EN Plating –Batch 2	02

For identification purposes, the two sample was labelled as B2-1 and B2-2

Results : Microindentation hardness test
Refer to table 1attached

HAN KIAN JUAN
Testing Officer

WONG KOK WAH
Executive Engineer (Mechanical Testing)
Mechanical Technology Division

ACCREDITED LABORATORY SAC-SINGLAS

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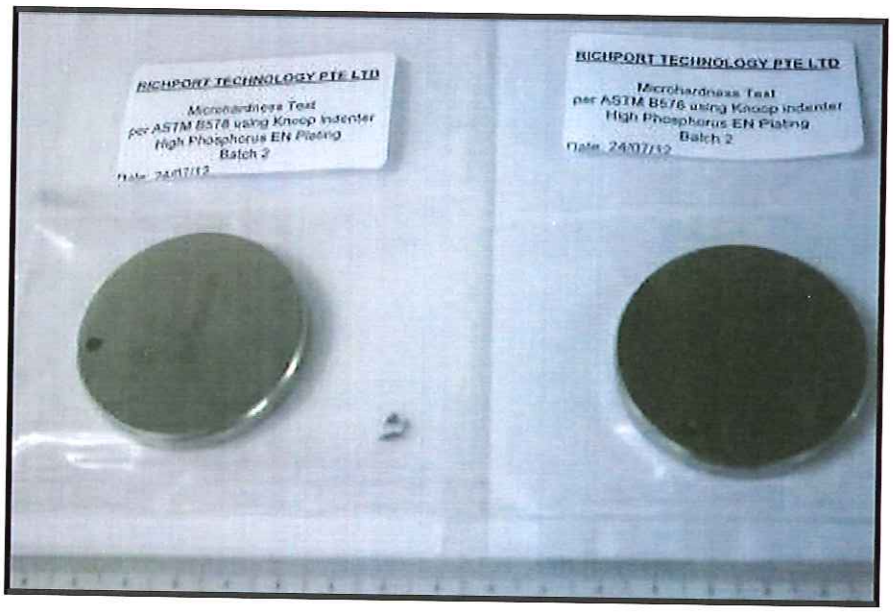
Results:

Table 1a and 1b: Microindentation Hardness Measurement (HK100gf#) using 1000X mag

(1a)

Sample Reference (High Phosphorus EN plated coupon)		B2-1		B2-2	
		HK 100gf	HV Converted	HK 100gf	HV Converted
Location (Randomly Selected)	Point 1	477.2	455.6	472.7	451.7
	Point 2	482.5	460.1	479.9	457.9
	Point 3	484.1	461.5	473.4	452.3
	Point 4	480.4	458.3	484.5	461.9
	Point 5	482.5	460.1	478.6	456.8
Standard Deviation		2.4	2.0	4.4	3.8
Mean Average		481.3	459.1	477.8	456.1

Notes: '# Conversion is based on relationship for carbon steel materials.
(HK denotes Knoop Hardness Value, HV denotes Vickers Hardness Value)



Samples as received.