

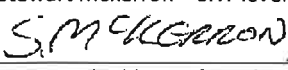
REPORT OF THOROUGH EXAMINATION

This report complies with the requirements of the Lifting Operations and Lifting Equipment Regulations 1998

Date of Thorough Examination: 04/11/2019	Date of Report: 04/11/2019	Report number: L5157-13	PO: 32890
Name and Address of client for whom the thorough examination was made: BLUE MANTA 5 KIRKTON AVENUE, PITMEDDEN IND. ESTATE DYCE, ABERDEEN, AB21 0BF		Address of premises at which the examination was made: ABERDEEN LIFTING SERVICES HOWE MOSS CRESCENT DYCE	
Description and identification of the equipment:	Safe Working Load(s):	Date of manufacture if known:	Date of last thorough examination/Previous test details:
6 x SAFETY PIN BOW SHACKLES (POLAR) BATCH No: AAA/AB ID No: 01/1 TO 06/1	17 TONNE	06/2019	HACKETTS L063844 26/06/2019
6 x SAFETY PIN BOW SHACKLES (POLAR) BATCH No: AAA/AAA ID No: 01/2 TO 06/2	2 TONNE	10/2019	HACKETTS L069301 16/10/2019

Is this the first examination after installation or assembly at a new site or location? <table border="1" style="width: 100%; text-align: center;"> <tr> <td>YES</td> <td></td> <td>NO</td> <td>X</td> </tr> </table> If the answer to the above question is YES has the equipment been installed correctly? <table border="1" style="width: 100%; text-align: center;"> <tr> <td>YES</td> <td></td> <td>NO</td> <td></td> </tr> </table>	YES		NO	X	YES		NO		Was the examination carried out: <table border="1" style="width: 100%; text-align: center;"> <tr> <td>Within an interval of 6 months?</td> <td>YES</td> <td>X</td> <td>NO</td> <td></td> </tr> <tr> <td>Within an interval of 12 months?</td> <td>YES</td> <td></td> <td>NO</td> <td>X</td> </tr> <tr> <td>In accordance with an examination scheme?</td> <td>YES</td> <td></td> <td>NO</td> <td>X</td> </tr> <tr> <td>After the occurrence of exceptional circumstances?</td> <td>YES</td> <td></td> <td>NO</td> <td>X</td> </tr> </table>	Within an interval of 6 months?	YES	X	NO		Within an interval of 12 months?	YES		NO	X	In accordance with an examination scheme?	YES		NO	X	After the occurrence of exceptional circumstances?	YES		NO	X
YES		NO	X																										
YES		NO																											
Within an interval of 6 months?	YES	X	NO																										
Within an interval of 12 months?	YES		NO	X																									
In accordance with an examination scheme?	YES		NO	X																									
After the occurrence of exceptional circumstances?	YES		NO	X																									

Particulars of any tests carried out as part of the examination: (If none state NONE) NONE				
Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect:: (If none state NONE) NONE				
Is the above an existing or imminent danger to persons *Note -This is a reportable defect	YES		NO	X
Is the above a defect which is not yet but could become a danger to persons: (If YES state the date by when)	YES by:			
Particulars of any repair, renewal or alteration required to remedy the defect identified above: NONE				
IS THIS EQUIPMENT SAFE TO OPERATE?	YES	X	NO	

Name & Qualifications of person making this report: Competent Person Stewart Mckerron – SNT level II 	Name of person authenticating this report: Alistair Craig – Operations Manager Signature: 	Latest date by which next thorough examination must be carried out: 03/05/2020
Name and address of employer of persons making and authenticating this report: Aberdeen Lifting Services Ltd Howe Moss Crescent Dyce, Aberdeen AB21 0GN TEL: 01224 723333 Fax: 01224 723311 E.Mail: info@aberdeenlifting.co.uk		



William Hackett

Lifting Products Limited



Delivery Address

ABERDEEN LIFTING SERVICES LTD
 HOWE MOSS CRESCENT
 KIRKILL INDUSTRIAL ESTATE
 DYCE
 ABERDEEN AB21 0GN

Supplied To: ABE002

Certificate Number: L069301

Customer Order No: IS18318

Date Received: 16/10/2019

PRODUCTS REQUIRING A DECLARATION OF CONFORMITY

ARE INDICATED BY (A)

THOSE REQUIRING JUST A MANUFACTURER'S

CERTIFICATE BY (B)

DUAL PURPOSE DOCUMENT

EC DECLARATION OF CONFORMITY

DECLARATION

I DECLARE THAT THE ITEMS DESCRIBED ON THIS DOCUMENT COMPLY WITH THE REQUIREMENTS OF THE MACHINERY DIRECTIVE 2006/42/EC

MANUFACTURER'S CERTIFICATE

CERTIFIED ON BEHALF OF THE COMPANY

T.J. Burgess

T.J. BURGESS

16/10/2019

Authorised person for the configuration of the declaration documents: Tim Burgess, William Hackett Lifting Products, Alnwick, UK

A/B	Batch	Lot No / Serial No	Product	Description	Qty	Working Load Limit	Proof Load	Min Breaking Load
B	Q61255	19D	HN350.260+	HA-26QA Quad Assembly Conforming to BSEN 1677-4 and DNV2.7-1 & , DNV2.7-3. Temperature Range -40° C to +200° C	10	14.5 TONNE @ 45° TO VERTICAL	356 kN	711 kN
B	Q61248	19D	HN350.400+	HA-40QA Quad Assembly Conforming to BSEN 1677-4 and DNV2.7-1 , DNV2.7-3. Temperature Range -40° C to +200° C	4	30.5 TONNE @ 45° TO VERTICAL	749.0 kN	1496.0 kN
A	Q61225	AAA/AAA	HNDA-808-13	13mm x 16mm Gr 8 Bow Shackle, with Safety Pin DNV 2.7-1 ASME B30.26 & U.S. FED Spec. RR-C-271, Hot Dipped Galvanised Finish	40	2.0 Tonne		
A	Q61314	AAA/AAA	HNDA-808-19	19mm x 22mm Gr 8 Bow Shackle, with Safety Pin DNV 2.7-1 ASME B30.26 & U.S. FED Spec. RR-C-271, Hot Dipped Galvanised Finish	40	4.75 Tonne	94 kN	372 kN

OAK DRIVE, LIONHEART ENTERPRISE PARK, ALNWICK, NORTHUMBERLAND NE66 2EU

Tel. + 44 (0) 1665 604200 Fax. + 44 (0) 1665 604204 Email: info@williamhackett.co.uk

Website: www.williamhackett.co.uk Co. Registration No. 09679580 VAT Reg. No. 217 3508 23



Safety is our first priority™

YOKE INDUSTRIAL CORP.

#39,33rd Road, Taichung Industrial Park,

TAICHUNG 407, TAIWAN

TEL:+886-4-2350 8088

FAX:+886-4-2350 1001

Test Certificate

80057813-000980

TO : WILLIAM HACKETT LIFTING PRODUCTS LTD
Oak Drive,
Lionheart Enterprise Park,
Alnwick, Northumberland, NE66 2EU,
United Kingdom
Tel: 44-1665604200

Invoice NO: 90058160

Description: ITEM: DA-808-13
DA Bolt Pin Anchor Shackle, 1/2"
Batch No : AAA/AAA
Quantity : 540 EA

C	Si	Mn	P	S	Cr	Mo	Ni	Fe
0.38-0.43	0.15-0.35	0.60-1.00	<0.035	<0.040	0.90-1.00	0.15-0.30	<0.1%	other

Material :	Alloy Steel
Mini. Breaking Load :	157kN
Magnetic Flux Crack Tested :	100% of above quantity
Working Load Limit :	2tonnes

Proof Load Test 100% :	40kN
Fatigue Rate 20000 cycle :	29kN
Impact Test (-40℃) :	42J

TESTING ACCORDING TO EN 13889、RR-C-271F、DNV 2.7-3、EN 12079-2、IMO/MSC Circular 860
ISO 9001:2015 Certification by DNV and API
Inspection Test Certificate meet the EN 10204 3.1

TEST RESULT

Pass

YOKE INDUSTRIAL CORP.

Jason Yu

Dated: March 22, 2019

Qualification: QA Manager



William Hackett

Lifting Products Limited



Delivery Address

ABERDEEN LIFTING SERVICES LTD
HOWE MOSS CRESCENT
KIRKCHILL INDUSTRIAL ESTATE
DYCE
ABERDEEN AB21 0GN

Supplied To: ABE002

Certificate Number: L063844

Customer Order No: IS17828

Date Received: 26/06/2019

PRODUCTS REQUIRING A DECLARATION OF CONFORMITY

ARE INDICATED BY (A)

THOSE REQUIRING JUST A MANUFACTURER'S

CERTIFICATE BY (B)

DUAL PURPOSE DOCUMENT

EC DECLARATION OF CONFORMITY

DECLARATION

I DECLARE THAT THE ITEMS DESCRIBED ON THIS DOCUMENT COMPLY WITH THE REQUIREMENTS OF THE MACHINERY DIRECTIVE 2006/42/EC

MANUFACTURER'S CERTIFICATE

CERTIFIED ON BEHALF OF THE COMPANY

T.J. Burgess

T.J. BURGESS

26/06/2019

Authorised person for the configuration of the declaration documents: Tim Burgess, William Hackett Lifting Products, Alnwick, UK

A/B	Batch	Lot No / Serial No	Product	Description	Qty	Working Load Limit	Proof Load	Min Breaking Load
B	Q61188	19B	HN330.220	HA-22ML Master Link Conforming to BSEN 1677-4 and DNV 2.7-1 Temperature Range -40° C to +200° C	20	5.8 TONNE	143.0 kN	284.0 kN
B	Q61062	18H	HN330.250	HA-25ML Master Link Conforming to BSEN 1677-4 and DNV 2.7-1 Temperature Range -40° C to +200° C	10	8.83 TONNE	217.0 kN	433.0 kN
B	Q60999	18C	HN330.360	HA-36ML Master Link Conforming to BSEN 1677-4 and DNV 2.7-1 Temperature Range -40° C to +200° C	2	23.0 TONNE	565.0 kN	1128.0 kN
B	Q61188	19B	HN350.250+	HA-25QA Quad Assembly Conforming to BSEN 1677-4 and DNV2.7-1 & DNV2.7-3. Temperature Range -40° C to +200° C	40	9.3 TONNE @ 45° TO VERTICAL	229.0 kN	456.0 kN
A	Q60686	AAA/AB	HNDA-808-38	38mm x 45mm Gr 8 Bow Shackle, with Safety Pin DNV 2.7-1 ASME B30.26 & U.S. FED Spec. RR-C-271, Hot Dipped Galvanised Finish	8	17 Tonne	333 kN	1335 kN

OAK DRIVE, LIONHEART ENTERPRISE PARK, ALNWKICK, NORTHUMBERLAND NE66 2EU

Tel. + 44 (0) 1665 604200 Fax. + 44 (0) 1665 604204 Email: info@williamhackett.co.uk

Website: www.williamhackett.co.uk Co. Registration No. 09679580 VAT Reg. No. 217 3508 23



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SABS



YOKE INDUSTRIAL CORP.

#39,33rd Road, Taichung Industrial Park,

TAICHUNG 407, TAIWAN

TEL:+886-4-2350 8088

FAX:+886-4-2350 1001

060838

CERTIFICATE FOR SHACKLE FOR OFFSHORE CONTAINERS

80044145-000050

TO :

WILLIAM HACKETT LIFTING PRODUCTS LTD
Oak Drive,
Lionheart Enterprise Park,
Alnwick, Northumberland, NE66 2EU,
United Kingdom
Tel: 44-1665604200

Invoice NO: 90042125

Description: ITEM: DA-808-38
DA Bolt Pin Anchor Shackle, 1-1/2"
(Your PO no. 600679)
Batch No : AAA/AB
Quantity : 600 PC

Chemical analysis

Item	C	Si	Mn	P	S	Cr	Mo	Ni	Fe
Bolt	0.394	0.201	0.620	0.0135	0.0140	0.966	0.157	0.0275	97.4
Bow	0.403	0.213	0.604	0.0156	0.0074	0.913	0.157	0.0370	97.5

Impact test type : Charpy V (Joules)

Item	Temp(°C)	1	2	3	Average
Bolt	-40	53.41	50.32	48.37	50.70
Bow	-40	54.30	56.73	46.66	52.56

Material :	Alloy Steel	ProofLoadTest 100% :	334kN
Mini.Breaking Load :	1334kN	MagneticFluxCrackTested :	100%
WorkingLoad Limit :	17tonnes		

TESTING ACCORDING TO EN 13889、RR-C-271F、DNV 2.7-3、EN 12079-2、IMO/MSC Circular 860
ISO 9001:2008 Certification by DNV and API
Inspection Test Certificate meet the EN 10204 3.1
These shackle have been designed, approved and tested in accordance with
DNV 2.7-1 Offshore Containers.
This certificate is based on DNV type approval no. S-8059
Production test report No. 17060615
Material certificate reference:2065B0430-004
Marking: 8 HS YOKE AAA CE WLL 17T YOKE DA 1 1/2" AB 8

TEST RESULT
Pass

YOKE INDUSTRIAL CORP.

Andy Tseng

Dated: June 22, 2017

QF-009-017