



CERTIFICATE OF TYPE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer The Coleman Company, Inc.

Address 3600 North Hydraulic
Wichita
KS 67219
United States of America (USA)

Product Type LIFEJACKETS

Product Description Inherently Buoyant Adult Lifejacket – Type: " I160 "

Specified Standards IMO Resolution MSC.81 (70) Part 1 as amended by Resolution MSC.200 (80), MSC.226 (82) and MSC.323 (89)

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue 17 September 2016

Expiry date 16 September 2021

Certificate No. SAS S160124

Signed



Sheet No 1 of 4

Name

L. Thomas

Surveyor to Lloyd's Register EMEA

A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Page	2 of 4
Document number	SAS S160124
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date 8 November 2016	Quote this reference on all future communications SOUTSO/SFS/TA/LT/WP27096941
-------------------------	--

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S160124

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

EXAMINED DOCUMENTATION

UL Report on Life Preservers and Lifejackets, File MQ429 Project 10RT02093 dated July 15, 2010.

TEST REPORTS

<u>Report Title or Author</u>	<u>Report No.</u>	<u>Date</u>
Test Record 1	File MQ429	15.07.2010
SOLAS in water performance	Project No: 10RT02093, File MQ429	02.07.2010
		29.06.2010
Buoyancy test, strength test, fire test	Project No: 10RT02093, File MQ429	20.04.2010
		01-07-2010
Dimensional spot check	Project No: 10RT02093, File MQ429	03.06.2010
		01.07.2010
Temperature cycling, Oil resistance, compression and water absorption test	Project No: 10RT02093, File MQ429	29.04.2010
		27.04.2010
Strength test- body strap and shoulder lift	Project No: 10RT02093, File MQ429	27.05.2010
Strength test – buddy line	Project No: 10RT02093, File MQ429	07.06.2010
UL test report	Project No: 10RT03391, File MQ429	21.12..2010
SOLAS in-water performance test, body strap with one inch webbing, one inch metal snap hook, and one inch metal d-ring.	Project No. 11RT02842 File MQ429	03.10.2011
Strength Test – Body Strap	Project No. 11RT02842 File MQ429	15.09.2011
Strength test – lifting loop	Project No. 11RT02842 File MQ429	16.09.2011

CONDITIONS OF CERTIFICATION

Materials	Buoyancy Foam	SP-1 ½ Inch manufactured by Stearns China Foam Factory
	Cover Fabric	RH 400 manufactured by Red House Co Ltd
	Front Buckle	ITW NEXUS SS-40+ ITW Waterbury -One inch metal snap hook.

1. The lifejacket has been appraised also against LSA Code as amended by Resolution MSC.368(93)
2. Instructions for use should be provided with each lifejacket. As prescribed by SOLAS Regulation III/35 one or more additional copies shall be provided for inclusion in the vessel's Training Manual
3. The lifejacket is approved only for use by adults with a minimum weight 43 kg or above and a minimum height of 155 cm or more
4. The minimum total buoyancy of this lifejacket design is 162 N
5. Each lifejacket shall also be marked with the information required by LSA Code, Regulation I/1.2.2.9 and II/2.2.1.10



Page
3 of 4
Document number
SAS S160124
Issue number
1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
8 November 2016	SOUTSO/SFS/TA/LT/WP27096941

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S160124

6. As prescribed by SOLAS Regulation III/36 and where applicable, lifejacket shall be maintained as per manufacturer's instructions
7. When required, an approved lifejacket light meeting the requirements of the LSA Code Regulation II/2.2.3 is to be fitted. The light is to be tested and meet the requirements of IMO Resolution MSC.81 (70), Part 1, 10.3 and 10.4 and is attachment have to be to the satisfaction of the attending Surveyors
8. Each lifejacket shall be fitted with a whistle firmly secured by a lanyard as per LSA Code as amended by Regulation II/2.2.1.14
9. A lifejacket shall be provided with a releasable buoyant line or other means to secure it to a lifejacket worn by another person in the water as per LSA Code as amended by Regulation II/2.2.1.16
10. A lifejacket shall be provided with a suitable means to allow rescuer to lift the wearer from the water into a survival craft or rescue boat as per LSA Code as amended by Regulation II/2.2.1.17
11. The storage of this equipment is not part of this Design Appraisal or Certificate. All such arrangement is to be to the satisfaction of the Surveyors attending on board
12. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply
13. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5
14. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration
15. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained



Lloyd's
Register

Lloyd's Register EMEA

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

Page 4 of 4
Document number SAS S160124
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 8 November 2016	Quote this reference on all future communications SOUTSO/SFS/TA/LT/WP27096941
-------------------------	--

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S160124

PLACE OF PRODUCTION

The Coleman Company, Inc.
1100 Stearns Dr
Sauk Rapids
MN 56379
United States of America (USA)

Sheico Phnom Penh Co., Ltd.
17 km, National Road No 3,
Sangkat Pornng Teok, Khan Dangkor
Phnom Penh, Kingdom of Cambodia

Sheico (Cambodia) Co., Ltd
Manhattan (Svay Rieng) Special Economic
Zone
National Road #1, Bavet Commune, Chantrea
District
Svay Rieng Province
Cambodia



Lijo Thomas
Senior Specialist
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).