

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Kittiwake Developments Ltd	
PLACE OF PRODUCTION	3-6 Thorgate Road Littlehampton West Sussex BN17 7LU United Kingdom	
DESCRIPTION	Portable bunker fuel sampling flange and assembly	
TYPE	FG-K1-123-KW FG-K1-125-KW FG-K1-127-KW FG-K1-129-KW FG-K1-131-KW	FG-K1-124-KW FG-K1-126-KW FG-K1-128-KW FG-K1-130-KW FG-K1-132-KW
APPLICATION	Marine, offshore and industrial applications, to provide samples of fuel oil during bunkering operations	
SPECIFIED STANDARDS	Port of Singapore Specification CP 60-2004, Bunkering by bunker barges/tankers; ISO 3170:2004, Petroleum liquids, manual sampling; ASTM D 4057:2000, Standard practice for manual sampling of petroleum and petroleum products.	
RATINGS	Line diameter (inch):	3 to 12
Certificate No.	05/00068	
Issue Date	25 July 2005	
Expiry Date	24 July 2010	
Sheet	1 of 2	

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS



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OTHER CONDITIONS

Operation of the sampler is to be in accordance with the manufacturer's operating instructions, and monitored at all times to ensure the sample bottle is not over filled, or over pressurised.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 05/00068 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	05/00068
Issue Date	25 July 2005
Expiry Date	24 July 2010
Sheet	2 of 2



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Issue number

DESIGN APPRAISAL DOCUMENT

Date 25 July 2005	Quote this reference on all future communications LPA/DAPP/ENG/TA/W00811456/PFM/O-61803
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.
Issued to: KITTIWAKE DEVELOPMENTS LTD
for: PORTABLE BUNKER SAMPLING FLANGE
TYPE APPROVAL CERTIFICATE No. 05/00068

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request form	16/05/2005
Kittiwake data sheet, ref. CK50060 Issue 6	
Kittiwake drawing no. BS-031 Issue 4	01/06/1995
Kittiwake Bunker Samplers Operating Instructions MA-K16262-KW Issue 1	Undated

TEST REPORTS

LR Southampton report no. SOU 0500286	04/07/2005
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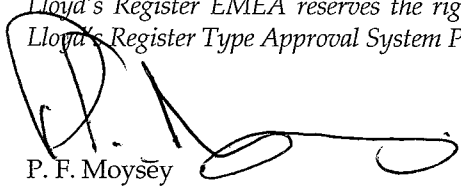
Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample 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 product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.


P. F. Moysëy

Surveyor

Engineering Systems

London Plan Approval

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Part 1A
 Subject: Flow Metering Equipment
 Product: Flow Sensors (Part 1A)

Producer/Licence No.	Description of Product				Cert. No.
	Type	Details of Approval	Application	Remarks	
Kitiwake Developments Ltd, 3-6 Thorgate Road, Littlehampton, West Sussex, BN17 7LU, United Kingdom (UK).	FG-K1-123-KW	Portable bunker fuel sampling flange and assembly: Line size (inch): 3 to 12	Marine offshore and industrial applications to provide samples of fuel oil during bunkering	Expires: 24 July 2010	05/00068
	FG-K1-124-KW				
	FG-K1-125-KW				
	FG-K1-126-KW				
	FG-K1-127-KW				
	FG-K1-128-KW				
	FG-K1-129-KW				
	FG-K1-130-KW				
FG-K1-131-KW					
FG-K1-132-KW					

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