



CCR. 12.4 - LIST OF VESSEL'S MEASURING INSTRUMENTS

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 Made by : QHSE
 Approved by : MID
 Rev. No : 0

Instruments	Manufacturer	Type & Model	Serial nr	Condition	Certificate issued	Certificate expiring	Date of onboard calibration / checks
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PORTABLE MULTIGAS MONITORS

Altair 5X	MSA	N/A	N/A	N/A	N/A	N/A	N/A
Altair 5X	MSA	N/A	N/A	N/A	N/A	N/A	N/A

PORTABLE MULTIGAS MONITORS

Altair 5X (IR)	MSA	Altair 5X (IR)	06003378	Good	25.09.2018	24.09.2019	27.12.2018
Altair 5X (IR)	MSA	Altair 5X	06007526	Good	25.01.2018	24.01.2020	27.12.2018

PERSONAL MULTIGAS MONITORS

Altair 4X	MSA	Altair 4XR	S/N 00006391	Good	30.01.2018	24.01.2020	27.12.2018
Altair 4X	MSA	Altair 4X	06012324	Good	14.02.2018	24.01.2020	27.12.2018
Altair 4X	MSA	Altair 4X	06013171	Good	20.04.2018	19.04.2019	27.12.2018
Altair 4X	MSA	Altair 4X	00160257	Good	25.09.2018	24.01.2020	27.12.2018

DRAGER PUMPS

Gas detector pump	DRAGER	ACCURO	ARLB -F001	GOOD	N/A	N/A	27.12.2018
Gas detector pump	DRAGER	ACCURO	ARLF -F001	GOOD	N/A	N/A	27.12.2018

PORTABLE ALCOMETER

Alcoltest	SOCIAC	SC-103	57K04099	Good	21.09.2018	20.09.2019	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A

To be completed on a monthly basis and forwarded by Email & to be filed on board in CCR 12.4 folder



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HERMETIC UTI / MMC

UTI-GT	MMC ASIA	D-2401-2	3897	Good	21.09.2018	20.09.2019	27.12.2018	
UTI-GT	MARINE MOISTURE CONTROL INC.	D-2401-2-UTI/0-98 DEGREE C	2535,3665,3697J	Good	24.05.17,06.11.17 ,03.08.17	23.05.18,06.11.18 ,02.08.18	N/A	
UTI-GT	MMC ASIA LTD, ENRAF TANKSYSTEM	D-2401-2, Glex	3828J, G20284	Good, Tape is damaged at stage of 28 cm.	14.03.17,25.05.2018	13.03.18, 24.06.2019	N/A	
HERMETIC SAMPLER	MMC ASIA LTD	GSASSR -F	0104	Good	16.03.16	15.03.17	N/A	
MANOMETER/MOM.								
Multipurpose Callibrator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Handheld Dry-Well Callibrator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Digital Pressure Indicator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

DRAGER TUBES

Hydrogen Sulphide	N/A	1 - 20 ppm	N/A	N/A	N/A	N/A	N/A
Hydrogen Sulphide	DRAGER ROHRCHEN	10-200 ppm	LB 2371	GOOD	N/A	AUG 2019	RECEIVED 01 - 200 PPM
Benzene	DRAGER ROHRCHEN	0.5 - 10 ppm	LC -2361	GOOD	N/A	SEP 2019	RECEIVED 0.25 - 10 PPM
Carbon dioxide	DRAGER ROHRCHEN	1 - 20 %	CH 25101	GOOD	N/A	JAN 2021	N/A
Mercapton	DRAGER ROHRCHEN	20 - 100 ppm	LB - 0841	GOOD	N/A	AUG 2019	N/A
Sulphur dioxide	DRAGER ROHRCHEN	1 - 25 ppm	LA - 1331	GOOD	N/A	JULY 2019	N/A
Nitrogen dioxide	DRAGER ROHRCHEN	0 - 50 ppm	KM -0321	GOOD	N/A	NOV 2018	N/A



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SPAN GASES

GAS SPECIFICATION	Company	Serial nr	Quantity	Bottles	Total	Expiry Date
Isobutane 50% lel, balance air	MARTEK, FAST CALGAZ	FCG 23000	N/A	3	N/A	01/10/2021
Isobutane 50% lel, balance air	GASCO	17L-18A-0.9	N/A	3	N/A	01/04/2020
Isobutane 50% lel, balance air	GASCO	34LS-18A-0.9	N/A	3	N/A	01/05/2020
Isobutane 50% lel, balance air	GASCO	103L-18A-0.9	N/A	5	N/A	01/05/2020
Isobutane 50% lel, balance air	GASCO	103L-18A-0.9	N/A	1	N/A	01/08/2019
Isobutylene 10 ppm balance air	MARTEK, FAST CALGAZ	FCG 34002	N/A	2	N/A	01/08/2022
Isobutylene 10 ppm balance air	MARTEK, FAST CALGAZ	FCG 34002	N/A	2	N/A	01/10/2021
N ₂ 99.99% Vol	MARTEK, FAST CAL GAS	FCG 28010	N/A	2	N/A	01/08/2022
Multigas (co 500 ppm, h ₂ s 50 ppm, ch ₄ 2.2% vol, o ₂ 18%) nitrogen balance	MARTEK, FAST CALGAZ	FCG 21222	N/A	2	N/A	01/08/2019
Isobutane 10% vol, balance	GASCO	17L-17N-8	N/A	1	N/A	01/05/2020
Isobutane 10% vol, balance	GASCO	17L-17N-8	N/A	2	N/A	01/04/2020
Isobutane 10% vol, balance	GASCO	81-0019RK-RKS	N/A	2	N/A	01/03/2020



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02 10% vol balance n2	CALGAZ	81-0075RK-01RKS	N/A	2	N/A	01/02/2020	N/A