



# KADGO NIGERIA LIMITED

CERTIFIED MARINE RADIO SURVEYORS

RC: 334439

## AUTOMATIC IDENTIFICATION SYSTEM (AIS) TEST REPORT

Name Of Ship:	TMC ZION
Call Sign:	5NYL7
MMSI number:	657152600
IMO No.	9822968
Gross Tonnage:	231
Date Keel Laid:	2017

1. Installation Details		
	Item:	Status:
1.1	AIS Transponder Type: JOTRON TRON 8000 (2 NOS)	
1.2	Type Approval Certificate	YES
1.3	Initial Installation configuration Report on Board?	YES
1.4	Drawings Provided? (Antenna, AIS-Arrangement and Block Diagram)	YES
1.5	Main Source of Electrical Power	YES
1.6	Emergency Source of Electrical Power	YES
1.7	Capacity to be Verified if the AIS is connected to a Battery	YES
1.8	Pilot Plug Near Pilots Operating Position?	YES
1.9	120 V AC Provided Near Pilot Plug? (Panama and St. Lawrence Requirement)	N/A

2. AIS Programming – Static Information		
2.1	MMSI number	YES
2.2	IMO number	YES
2.3	Radio call sign	YES
2.4	Name of ship	YES
2.5	Type of ship	YES
2.6	Ship length and beam	YES
2.7	Location of GPS antenna	YES

3. AIS Programming – Dynamic Information		
3.1	Ships position with accuracy and integrity status (Source: GNSS)	YES
3.2	Time in UTC (Source: GNSS)	YES
3.3	Course over ground (COG) (will fluctuate at dockside) (Source: GNSS)	YES
3.4	Speed over ground (SOG) (zero at dockside) (Source: GNSS)	YES
3.5	Heading (Source: Gyro)	YES
3.6	Navigational status	YES
3.7	Rate of turn, where available (ROT)	N/A





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3.8	Angle of heel, pitch and roll, where available	N/A
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4. AIS Programming – Voyage related Information		
4.1	Ship draught	YES
4.2	Type of cargo	YES
4.3	Destination and ETA (at masters direction)	YES
4.4	Route plan	YES
4.5	Short safety-related messages	YES

5. Performance test using measuring instrument		
5.1	Frequency measurements AIS Ch. 1 and 2, GMDSS Ch. 70	YES
5.2	Transmitting output, AIS Ch. 1. And 2, GMDSS Ch. 70	YES
5.3	Polling information Ch. 70	YES
5.4	Read data from AIS	YES
5.5	Sent data to AIS	YES
5.6	Check AIS response to "virtual vessels"	YES

6. On air performance test		
6.1	Check reception performance	YES
6.2	Confirm reception of own signal from other ship/VTS	YES
6.3	Polling by VTS/shore installation	N/A

Electromagnetic interference from AIS observed to other installations ?:
NIL

Remarks: SATISFACTORY
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The AIS has been tested according to MSC.1/Circ.1252
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The AIS has been tested according to IMO SN/Circ. 227 and resolution MSC.74(69) annex 3		
Name of radio inspector	Date and place	Name of radio Inspector Company
KAYODE OYEWO	12-05-2022 ONNE - FLT	KADGO NIGERIA LIMITED
Signature & stamp		

