



Work Order: 4795262-A
 First Visit Date: 29-May-2021
 Last Visit Date: 19-Jul-2021
 Survey Location: Johor

Equipment Certification Report

Asset Type Watertight Door
Customer Name PERKASA M&E SDN BHD
WCN of Customer 653221
Location Johor

This is to certify that the undersigned Surveyors to this Bureau did at the request of PERKASA M&E SDN BHD , from 29-May-2021 to 19-Jul-2021, carry out the following survey and report as follows:

Client Asset Name	Quantity
Watertight / Weathertight Door	1

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel
Watertight / Weathertight Door	PERKASA M&E SDN BHD		PERKASA M&E SDN BHD	TBA(Class Number YY282995)

Basic Identification Data

Serial Number	Owner Tag Number	Supplier Ref. Number
-	-	-

Report Details

ABS Stamping

AB / 4795262_A

Design Details

Design state	Drawing Number	Project Number	Reviewing Organization
Design Approved/Reviewed	Q01008-21 Rev.D	T2132154	Singapore Ship Engineering

Statement of Work - Classification Service - Certification -

- All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.
- Examination during manufacturer assembly has been carried out to verify all critical phases of welding, fitting, machining, and non-destructive examination as required by the applicable Rules and/or requirements.
- The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.
- All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.
- Traceability of materials used on this project has been verified.
- Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.

Report Findings

Statement/Observation

1 of 2

NOTE: This Report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item of material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
89.0	Watertight / Weathertight Door	Certification - Watertight / Weathertight Door	19-Jul-2021

Found

Description of Watertight & Weathertight Doors:

1. Marking: WT1 // Material: Mild Steel // Clear Size: 930 x 1930 mm // Type: WATERTIGHT DOOR [QUICK ACTING MECHNISM] // Total: 1
2. Marking: WE1 // Material: Mild Steel // Clear Size: 830 x 1700 mm // Type: WEATERTIGHT DOOR [QUICK ACTING MECHNISM] // Total: 2
3. Marking: WE3 // Material: Mild Steel // Clear Size: 1830 x 1700 mm // Type: WEATERTIGHT DOUBLE DOOR [DOG CLIPPED] // Total: 2
4. Marking: WE4 // Material: Mild Steel // Clear Size: 830 x 1830 mm // Type: WEATERTIGHT DOOR [QUICK ACTING MECHNISM] // Total: 1

The watertight doors were visually examined and dimensionally checked against the manufacturer's drawings. Material certificates reviewed and found satisfactory.

Hydrostatic test was carried out on the sample of watertight door marked WT11 with water pressure head of 0.25 bars for duration of ten (10) minutes and visual examination carried out and found no leaks or deformation on the door.

Hose test were carried out in the weathertight doors marked WE1, WE3 and WE4 with water head pressure of 0.2 bar and found satisfactory.

Chalk test were carried out on the remaining weathertight doors with the gasket under tension and were found satisfactory.

All doors will be accepted subject to installation on board the vessel to the satisfaction to the attending Surveyor

Closing Paragraph:

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

Attending Surveyor(s):

Ahmad, Mazmi
Signed-off Date: 23-Jul-2021

Reviewing Surveyor(s)

Work Order Reviewer: Sivalingam, Shanmugavel A/L
Work Order Credit Date: 27-Jul-2021



Work Order: 4795262-B
 First Visit Date: 29-May-2021
 Last Visit Date: 19-Jul-2021
 Survey Location: Johor

Equipment Certification Report

Asset Type Access Hatch
Customer Name PERKASA M&E SDN BHD
WCN of Customer 653221
Location Johor

This is to certify that the undersigned Surveyors to this Bureau did at the request of PERKASA M&E SDN BHD, from 29-May-2021 to 19-Jul-2021, carry out the following survey and report as follows:

Client Asset Name	Quantity
Weathertight Access Hatch	1

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel
Weathertight Access Hatch	PERKASA M&E SDN BHD		PERKASA M&E SDN BHD	TBA(Class Number YY282995)

Basic Identification Data

Serial Number	Owner Tag Number	Supplier Ref. Number
-	-	-

Report Details

ABS Stamping

AB / 4795262_B

Design Details

Design state	Drawing Number	Project Number	Reviewing Organization
Design Approved/Reviewed	Q01008-21 Rev. A	T2132154	Singapore Ship Engineering

Statement of Work - Classification Service - Certification -

- All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.
- Examination during manufacturer assembly has been carried out to verify all critical phases of welding, fitting, machining, and non-destructive examination as required by the applicable Rules and/or requirements.
- The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.
- All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.
- Traceability of materials used on this project has been verified.
- Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.

Report Findings

Statement/Observation

1 of 2

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<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
90.0	Weathertight Access Hatch	Certification - Weathertight Access Hatch	19-Jul-2021

Found

Description of Weathertight Hatches:

1. Marking: H1 // Material: Mild Steel // Deck Cut Size: 600 W x 600 L x 700 H mm // Type: WEATHERTIGHT HATCH [DOG CLIPPED) // Total: 1
2. Marking: H2 // Material: Mild Steel // Deck Cut Size: 800 W x 700 L x 700 H mm // Type: WEATHERTIGHT HATCH [DOG CLIPPED) // Total: 1

The weathertight hatches were visually examined and dimensionally checked against the manufacturer's drawings. Material certificates reviewed and found satisfactory.

Hose test and chalk test were carried out in the weathertight doors marked H1 and H2 with water head pressure of 0.2 bar and found satisfactory.

The hatches will be accepted subject to installation on board the vessel to the satisfaction to the attending Surveyor.

Closing Paragraph:

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

Attending Surveyor(s):

Ahmad, Mazmi
Signed-off Date: 23-Jul-2021

Reviewing Surveyor(s)

Work Order Reviewer: Sivalingam, Shanmugavel A/L
Work Order Credit Date: 27-Jul-2021



Work Order: 4795262-C
 First Visit Date: 29-May-2021
 Last Visit Date: 19-Jul-2021
 Survey Location: Johor

Equipment Certification Report

Asset Type Scuttle
Customer Name PERKASA M&E SDN BHD
WCN of Customer 653221
Location Johor

This is to certify that the undersigned Surveyors to this Bureau did at the request of PERKASA M&E SDN BHD, from 29-May-2021 to 19-Jul-2021, carry out the following survey and report as follows:

Client Asset Name Quantity

Welded Type Scuttle 1

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel
Welded Type Scuttle	PERKASA M&E SDN BHD		PERKASA M&E SDN BHD	TBA(Class Number YY282995)

Basic Identification Data

Serial Number **Owner Tag Number** **Supplier Ref. Number**

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Report Details

ABS Stamping

AB / 4795262_C

Design Details

Design state	Drawing Number	Project Number	Reviewing Organization
Design Approved/Reviewed	Q01008-21 (S1) Rev. 0	T2123475	Singapore Ship Engineering

Statement of Work - Classification Service - Certification -

- All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.
- Examination during manufacturer assembly has been carried out to verify all critical phases of welding, fitting, machining, and non-destructive examination as required by the applicable Rules and/or requirements.
- The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.
- All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.
- Traceability of materials used on this project has been verified.
- Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.

Report Findings

Statement/Observation

1 of 2

NOTE: This Report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item of material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
91.0	Welded Type Scuttle	Certification - Welded Type Scuttle	19-Jul-2021

Found

Description of Welded Type Side Scuttle:

1. Marking: S1 // Material: Mild Steel / Aluminium // Diameter: 250 mm // Type: GB/T14413-1993 -HINGED // Toughened Glass: 8mmt CLEAR // Total: 1

A scuttles was visually examined and dimensionally checked against the manufacturer's drawings. Material certificates reviewed and found satisfactory.

Hydrostatic test was carried out on the scuttle marked S1 with water head pressure of 0.75 bars and visual examination carried out and found no leaks or deformation on the scuttles.

The scuttle will be accepted subject to installation on board the vessel to the satisfaction to the attending Surveyor.

Closing Paragraph:

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

Attending Surveyor(s):

Ahmad, Mazmi
Signed-off Date: 23-Jul-2021

Reviewing Surveyor(s)

Work Order Reviewer: Sivalingam, Shanmugavel A/L
Work Order Credit Date: 27-Jul-2021

Equipment Certification Report

Asset Type Window
Customer Name PERKASA M&E SDN BHD
WCN of Customer 653221
Location Johor

This is to certify that the undersigned Surveyors to this Bureau did at the request of PERKASA M&E SDN BHD, from 29-May-2021 to 19-Jul-2021, carry out the following survey and report as follows:

Client Asset Name Quantity

Welded Type Window 1

Name Plate Data

ABS Label	Manufacturer	Purchaser	Designer	Destination Vessel
Welded Type Window	PERKASA M&E SDN BHD	-----	PERKASA M&E SDN BHD	TBA(Class Number YY282995)

Basic Identification Data

Serial Number Owner Tag Number Supplier Ref. Number

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Report Details

ABS Stamping

AB / 4795262_D

Design Details

Design state	Drawing Number	Project Number	Reviewing Organization
Design Approved/Reviewed	Q01008-21 Rev. A	T2123475	Singapore Ship Engineering

Statement of Work - Classification Service - Certification -

- All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.
- Examination during manufacturer assembly has been carried out to verify all critical phases of welding, fitting, machining, and non-destructive examination as required by the applicable Rules and/or requirements.
- The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.
- All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.
- Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.
- Traceability of materials used on this project has been verified.
- Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.

Report Findings

Statement/Observation

<i>Finding No</i>	<i>Asset</i>	<i>Survey Task</i>	<i>Date Created</i>
92.0	Welded Type Window	Certification - Welded Type Window	19-Jul-2021

Found

Description of Welded Type Windows:

1. Marking: W1 // Material: STEEL /SUS 304 // Clear Size: 906 x 846 mm // Type: Fixed // Toughened Glass: 12mmt CLEAR // Total: 12

Windows were visually examined and dimensionally checked against the manufacturer's drawings. Material certificates reviewed and found satisfactory.

Hydrostatic test were carried out on the sample windows marked W1 (3 pcs) with water head pressure of 0.25 bars and visual examination carried out and found no leak or deformation on the windows.

All windows will be accepted subject to installation on board the vessel to the satisfaction of the attending Surveyor.

Closing Paragraph:

The component/equipment was surveyed in accordance with the Rules, specifications, and approved drawings, as applicable, and is eligible for installation on board an ABS classed vessel subject to satisfactory installation and testing, as necessary.

Attending Surveyor(s):

Ahmad, Mazmi

Signed-off Date: 23-Jul-2021

Reviewing Surveyor(s)

Work Order Reviewer: Sivalingam, Shanmugavel A/L

Work Order Credit Date: 27-Jul-2021