Certificate No: LR23366303QAES
Issue Date: 20/07/2023
Expiry Date: 20/07/2026

Quality Assurance Engineering Scheme Certificate

Manufacturer Johnson Controls Inc

Address	100 Cumberland Valley Ave, Waynesboro, Pennsylvania, 17268, United States
Scheme Type	**Quality Assurance Scheme for Machinery (QAM)**
Approval Number	**QAM 158**
Place of Production	**Johnson Controls Inc**
	100 Cumberland Valley Ave, Waynesboro, Pennsylvania, 17268, United States
Product Type	Refrigeration Compressors

This is to certify that the above named manufacturer has been approved by LR North America Inc in accordance with the requirements set out in the Quality Assurance Scheme for Machinery (QAM) within the Lloyd's Register Rules and Regulations for the Classification of Ships.

The quality system and procedures at these works covering production methods, inspection and testing, quality control and general standards of workmanship have been examined and are approved for the manufacture of the undernoted product(s) at the stated place(s) of production.

Such items will be eligible for fitting in ships or other installations classed or intended for classification subject to satisfactory installation under the usual conditions of survey and testing.
This approval is conditional upon the product(s) manufactured and certified under this Scheme being in accordance with the relevant requirements of the Rules and Regulations for the Classification of Ships and the organisation and procedures being audited by the Surveyors at agreed intervals.

This Certificate relates solely to:-

Product Name SGC 2817

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Scott Williams

Lead Specialist - Quality Assurance Engineering Schemes, Americas to Lloyd's Register North America, Inc.

1330 Enclave Parkway, Houston, Texas, 77077,
United States

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Quality Assurance Engineering Scheme Certificate

For details of the scope of approval see subsequent pages of this certificate.

This certificate is issued to the named manufacturer and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate and reserves the right to cancel or withdraw this certificate.

The Quality Assurance Scheme for Machinery is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations for the Classification of Ships are complied with.

Scope of products covered by the scheme:

1. SGC 2817

Twin Screw Refrigeration Compressor SGC 2817

Inlet Temperature range:	-60°C to 93.3°C
Maximum Discharge Temperature:	148.9°C
Acceptable Refrigerants:	R50, R134A, R170, R290, R404A, R410A, R507, R513A, R600, R600A, R601A, R717, R728, R729, R744, R1150, Natural Gas.

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