Certificate No: LR23194662TA
Issue Date: 08/05/2023
Expiry Date: 02/09/2027

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.

Manufacturer	**Vulkan Kupplungs- und Getriebebau**
Address	B. Hackforth GmbH & Co. KG, Heerstrasse 66, Herne, 44653, Germany
Type	Flexible Shaft Couplings
Description	Highly flexible rubber couplings, 3 duty class factors
Trade Name	VULKARDAN G
Application	For essential and non- essential services on ships classed or intended for Classification with Lloyd's Register
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, Edit. 2022
Ratings	Size: 5411 to 8419 Dimension Group: K5410 to K8410 Nom. Torque (kNm): 10.4 to 81.9 Max.Perm. Speed (1/min): 2300 to 1000 For essential services the duty factor Sc is applicable
Other Conditions	Couplings intended for single engine main propulsion services are to be provided with a "Get-You-Home-Device"

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Olaf Schmidt

Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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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.

Previous Version: 12/20037 (E3)

The Design Appraisal Document ENS 28273-12, Issue No. 4 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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