

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Flexible Mounts for Propulsion or Auxiliary Machinery**

with type designation(s)

Cushyfloat, Cushymount K & XK, D series, Super D, DX mounts, Sandwich Mounting, Standard Industrial Product Range.

Issued to

**Trelleborg Industrial A.V.S.
LEICESTER, United Kingdom**

is found to comply with

Det Norske Veritas' Rules for Classification of Ships/High Speed and Light Craft**Application :****The mountings are approved for use in diesel engine installations for propulsion and auxiliary duty and as mountings for reduction gears and other auxiliary machinery with limitations as given in data sheets mentioned in the certificate.**This Certificate is valid until **2019-06-30**.Issued at **Høvik** on **2015-03-16**DNV GL local station: **Manchester**Approval Engineer: **Hans-Kristian Eriksen**for **DNV GL**

Digitally Signed By: Nguyen, Tin Huu

Location: DNV GL Høvik, Norway

Signing Date: 2015-03-16, on behalf of

**Oddvar Deinboll
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Certificate No: **M-12762**
File No: **702.60**
Job Id: **262.1-009953-2**

Product description

Anti-vibration chocks, anti-shock and vibration mounts

Application/Limitation

The mountings are approved for use in diesel engine installations for propulsion and auxiliary duty and as mountings for reduction gears and other auxiliary machinery with limitations as given in the Product Data information available on the web site <http://trelleborg.com/industrialavs> under section "Products"

Type Approval documentation

Product Survey Report SHF98/6756, SHF06/6271 and the following drawings :

Drawing No.	Rev	Title	Date
1. 17/1468	10	Metalastik Cushymount	29 Aug 2001
2. 17/1469	10	Metalastik Cushymount	29 Aug 2001
3. 17/1470	17	Metalastik Cushymount	17 Nov 2006
4. 17/1503	13	Metalastik Cushymount	16 Nov 2006
5. 17/1503/1	17	Metalastik Cushymount with locking	17 Nov 2006
6. 17/1589	7	Metalastik Cushymount	28 Aug 2001
7. 17/1669	3	Metalastik Cushymount	29 Aug 2001
8. 17/1732/1	3	Metalastik Cushymount	29 Aug 2001
9. 17/1758	6	Metalastik Cushymount	29 Aug 2001
10. 17/1770	3	Metalastik Cushymount	29 Sep 2001
11. 17/1872	9	Mounting – Cushymount 'K'	30 Mar 2005
12. 17/1921	10	Mounting – Cushymount - buffered	30 Mar 2005
13. 17/0645	26	Metalastik Cushyfoot 'S'	22 Mar 2005
14. 17/1011/1	10	Metalastik Cushyfloat 'S'	23 Mar 2005
15. 15/4050	A	Miscellaneous (Cushyfloat series 1609,1657,1841)	11 Oct 2006
16. 17/2210	2	Height adjusters (For cushyfloats)	17 Nov 2006 rev.3
17. 15/4051	A	Miscellaneous (Super D series 1661,1162,1663,1871, 1736,1737,1738,1922,2198,2199,1773,1774,1775, 1790,2015)	11 Oct 2006
18. 17/2092	4	Mounting – DX mount	3 Nov 2003 rev.5
19. 17/2266	6	Mounting – DX mount	7 Feb 2005
20. 17/2267	3	Mounting – DX mount	7 Feb 2005
21. 15/4052	A	Mounting –D (Series 1601,1602,1603)	11 Oct 2006
22. 17/1549	17	Mounting Rectangular	30 Mar 2005
23. 17/1654	9	Mounting Rectangular	30 Mar 2005
24. 17/1912	8	Mounting Rectangular	30 Mar 2005 rev.9
25. 17/1716	9	Mounting Rectangular (Replaces 17/1359)	23 Mar 2005
26. 17/1783	8	Mounting Rectangular	01 Mar 2007 rev.9
27. 17/1973	6	Mounting Rectangular	01 Mar 2007 rev.8
28. 17/1990/1	7	HT Cushyfloat	30 Mar 2005
29. 17/2182/1	2	HT Cushyfloat	11 Apr 2004
30. 17/2310/1	1	HD Cushyfloat	26 Sep 2006
31. Standard Industrial mounts: RA, RAEM, M, RAB, SAW, GK, VT, BA, UH, HK, EH, SIM are all described on website.			
32. 17/4152	1	Mounting Rectangular	01 Dec 2006
33. 17/4146		Cushymount XK	01 April 2010 rev.8

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Marking of product

The product to be marked with manufacturer's name or trademark and type number identification.

Periodical Assessment

For retention of the Type Approval, a DNV surveyor shall perform a survey every second year and before the expiry date of this certificate to verify that the conditions of the type approval are complied with.

The objective of the Periodical Assessment is to verify that the conditions for the Type Approval are not altered since the

Type Approval Certificate was issued. The main scope of the Periodical Assessment will normally include:

- Verification of the Type Approval applicant's production and quality system w.r.t. ensuring continued consistent production of the Type Approved products at the Type Approval applicant's own premises and at other companies that are given the responsibility for manufacturing of the products.
- Review of the Type Approval documentation and that this is still used as basis for the production
- Review of possible changes to the design, the material and the performance of the product
- Verification of the product marking.

Other conditions

No product certificate required.

Installation, maintenance and inspection of the mounts to be done according to the makers instructions.

END OF CERTIFICATE