TÜV NORD
TÜV UK Limited

C E R T I F I C A T E

Specific Assessment for Materials as per
Pressure Equipment (Safety) Regulations 2016 No. 1105 Amended
Schedule 2, Part 4, Clause 31 (8).

This is to certify that

Innoforge Pvt Ltd
B 2/2, SIDCO Industrial Estate
Phase I, Hosur – 635 126
Tamilnadu, India.

Has successfully undergone a specific assessment for materials manufacture under the requirement of the Pressure Equipment (Safety) Regulations 2016 No. 1105 Amended. The Material Manufacturer has implemented, operates and maintains a Quality Assurance System in accordance with Schedule 2, Part 4, Clause 31 (8).

Innoforge Pvt Ltd are authorised to issue certificates of specific product control, within the scope of assessment as shown in **Annex A.**

This certificate, which remains the property of TÜV UK Ltd, was issued in accordance with the TÜV UK Ltd auditing and certification procedures, and its validity is subject to regular surveillance audits under the requirement of the Pressure Equipment (Safety) Regulations 2016 No. 1105 Amended providing certificates are not withdrawn or expired.

Certificate No. **0879-PESR-31(8)-22535.23-IN** Valid until: **31st August 2026**

Initial certification: 27th October 2022

Signed for and on behalf of TÜV UK Ltd, London, *Date* ***27th December 2023***

TÜVNORD Digitally signed by Ward Paul Date: 2023.12.28 08:58:50 Z

P Ward
Managing Director

I Felce
Peer Reviewer

TÜV NORD
TÜV UK Limited

Certificate No. 0879-PESR-31(8)-22535.23-IN

Scope of Approval: **Manufacture of Forgings.** *Permanent joint welding or repair welding is not permitted.*			**TÜV UK Ltd** TÜV NORD GROUP AMP House Suites 27-29, Fifth Floor Dingwall Road, Croydon, CR0 2LX
Manufacturer	Name	**Innoforge Pvt Ltd**	The Certification Body - TÜV Nord Cert GmBH Am TÜV 1 45307 Essen Germany Cert No. 44 100 140133
	Address	**B 2/2, SIDCO Industrial Estate Phase I, Hosur – 635 126 Tamilnadu, India.**	

Materials (Steels)	**Hot forged components for pressure purposes (Open/Closed Die Forging)**	
Material Specification	**Grades**	**Delivery Condition**
EN 10222-5	X5 CrNi18-10 (1.4301)	Solution Annealed(1)
EN 10222-5	X2 CrNi18-9 (1.4307)	Solution Annealed(1)
EN 10222-5	X5 CrNiMo17-12-2 (1.4401)	Solution Annealed(1)
EN 10222-5	X2 CrNiMo17-12-2 (1.4404)	Solution Annealed(1)
EN 10222-2	P245GH (1.0352)	Normalised(1)
EN 10273 EN 10222-4	P265GH (1.0425)	Normalised(1)
EN 10222-2 EN 10273	P250GH (1.0460)	Normalised(1)
EN 10222-2	11CrMo9-10 (1.7383)	Normalised(1) / Quench & Tempered(1)
EN 10222-4	P355QH1 (1.0571)	Quench & Tempered(1)
EN 10222-4 EN 10273	P355NH (1.0565)	Normalised(1) / Normalised & Tempered(1) / Quench & Tempered(1)
EN 10088-3	X2 CrNiMoN22-5-3 (1.4462)	Solution Annealed(1)
EN 10088-3	X5 CrNiCuNb 16-4 (1.4542)	+P930(1)

Remarks	(1) Flanges OD <= 750mm, Rings OD <= 1200mm, Other Solid Forgings OD <= 850mm, thickness (all) <= 250mm, 1500kg Max weight. Permanent joint welding or repair welding is not permitted.

This Annex is only valid with an in-date quality management certificate.

TÜV NORD
TÜV UK Limited

Certificate No. 0879-PESR-31(8)-22535.23-IN

Materials (Steels)	**Hot forged components for pressure purposes (Open/Closed Die Forging)**	
Material Specification	**Grades**	**Delivery Condition**
ASTM A182 ASME SA182	F304, F304L, F316, F316L, F51, F60, F317, F317L, F347, F347H, F321	Solution Annealed(1)
ASTM A105 ASME SA105	A105	Normalised(1) / Normalised & Tempered(1) / Quench & Tempered(1)
ASTM A350 ASME SA350	LF2 CL.1	Normalised & Tempered(1) Quench & Tempered(1)
ASTM A182 ASME SA182	F91 Type 1, F92	Normalised & Tempered(1) Quench & Tempered(1)
ASTM A182 ASME SA182	F11 CL.1, CL.2 F22 CL.1, CL.3	Normalised & Tempered(1)
ASTM A182 ASME SA182	F12 CL.2, F5, F5a, F9, F6A CL.1, CL.2, CL3, CL4	Normalised & Tempered(1)
ASTM A182 ASME SA182	F55	Solution Annealed(1)
ASTM A705 ASME SA705	17 4 PH Type 630 Conditions H900, H925, H1025, H1075, H1100, H1150, H1150D, H1150M	Solution Annealed(1) Precipitation Hardened(1)
ASTM A694 ASME SA694	F60, F65	Normalised(1) / Normalised & Tempered(1) / Quench & Tempered(1)
AISI	4130, 4140, 410	Normalised(1) Quench & Tempered(1)

Remarks	(1) Flanges OD <= 750mm, Rings OD <= 1200mm, Other Solid Forgings OD <= 850mm, thickness (all) <= 250mm, 1500kg Max weight. Permanent joint welding or repair welding is not permitted.

This Annex is only valid with an in-date quality management certificate.

Signed:-

I Felce
Peer Reviewer

Date: 27th December 2023