



GEORG UMFORMTECHNIK GMBH (576639)
GRUBENSTRASSE 5,
D-56594 WILLROTH,
GERMANY

Reference: NE/NV T1635275
Project Number: 2773361
Certificate no: FOR-T1635275

ATTN: Mr. Werner Schilling

Renewal Steel Forging Facility and Process Approval ABS Approval of Georg Umformtechnik GmbH, Willroth, Germany

We have the ABS plant survey report HN3321800 dated 27 April 2017, along with your submittals of 22 May 2017 together with enclosures relative to the subject. With regard thereto we advise that Georg Umformtechnik GmbH, Willroth, Germany is considered approved to produce machinery forgings to the requirements of *ABS Materials & Welding Rules Part 2 (2017)* as outlined below, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

Grade	Non ABS Grades – Carbon & High Alloy Steels
Melting Practice	Procured from ABS approved manufacturers
Casting Practice	Procured from ABS approved manufacturers
Forging Practice	Drop Forging
Maximum Weight	700 kg
Maximum Thickness	420 mm
Heat treatment facility	In-house
Product Examples	Engine Components, Drift Shaft Parts, Hydraulic Parts

Weld repair is generally not permitted on forgings, unless specially approved by the ABS Engineering Office.

The approval is valid for five years subject to annual endorsement survey and will expire on 13 June 2022. Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request annual endorsement survey or renewal of approval prior to the five year expiry date. Our invoice to cover the costs of the technical review is subject to separate correspondence.



An electronic copy of the drawings, appropriately stamped, is available through the ABS Eagle Construct Engineering Manager (O2E) Web portal. If you need to contact ABS regarding this review please email Nina Edmonds at nedmonds@eagle.org or Nikolaos Vrellos at nvrellos@eagle.org.

Very truly yours

Stefano Penco
Vice President of Engineering
ABS Europe Ltd.

Nikolaos Vrellos
Principal Engineer, Materials
London Offshore Engineering Department

CC: ABS Haan
EC: ABS Houston Materials



Drawing List

Engineering Office:	London Engineering Department	
Submitter:	GEORG UMFORMTECHNIK GMBH (576639)	
Drawing No	Revision No	Drawing Title
Correspondence	-	Plan Approval Request Form - Renewal 2017
MMdb approval request Rev14 Renewal Forge	-	MMdb approva request
Confirmation_03	-	Confirmation of non changes
Materi certificates_Georg Umformtechnik cmbd	-	Material certificates
SAE 86 B 45 H_ Statistik	-	Statistical data
Correspondence	-	ABS approval letter 2012
GUT_Zertifikat_DINENISO9001_15	-	ISO 9001
HN3321800_Plant Survey	-	Plant Survey
Correspondence	-	Casting supplied from ABS approved manufacturer
Correspondence	-	Purchase order