



Marine & Offshore

**BUREAU
VERITAS**

Certificate number: SMS.W.II./117216/A.0

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RECOGNITION FOR BV MODE II SCHEME

Clifford Jacobs Forging
Champaign - UNITED STATES OF AMERICA

Summary of the range of the recognition which is detailed in the subsequent page(s):
Forging (G0247) and Heat Treatment

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 14 Nov 2022

For BUREAU VERITAS,
At BV PORT EVERGLADES CENTRE, on 07 Dec 2018,
Flavio Rosas



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=9hoiaek8e2>

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

The products corresponding to the categories listed in the table below are to be certified individually or per batch by Bureau Veritas Marine & Offshore in compliance with the applicable requirements (IBV products as defined in NR320).

Generic product	Description
FORGING	1. Twin Disc: Products - Flange, Gear and Pinon from Alloy steel SAE 8822RH, SAE 8620RH and SAE J404 Grade 4140. Weight - 127 lbs to 534 lbs Dimension - with outside diameter 6" to 12". Delivery Condition - Normalized
FORGING	2. Others: Standard or Custom Impression Forgings from Carbon, Alloy, Stainless Steel, Bearing Quality or Custom Grades. Weight - 5 lbs to 800 lbs with outside diameter up to 30". Delivered in one of following condition - Untreated, Normalized.

2. LIMITATIONS

The certificates listed in the range of recognition are to be valid, as applicable.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to manufacturing facilities and associated quality procedures in order to agree on appropriate actions.

Clifford Jacobs Forging has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

Clifford Jacobs Forging - Champaign - UNITED STATES OF AMERICA

4. REMARKS

4.1 -Recognition for Clifford-Jacobs follows the principle of IACS UR M72 and NR467, PtC, Ch1, Sec2 [4.4.3 c)].

4.2- Forgings for marine applications, other than Twin Disc gearboxes, are to bear BV Unit Certification per NR216, Ch2, Sec3. BV Port Everglades office to be contacted for each order.

*** END OF CERTIFICATE ***