



CERTIFICATE NUMBER 19-3738389PQA

EFFECTIVE DATE 03-Oct-2019

EXPIRATION DATE 08-Oct-2024

PORT OFFICE Cleveland

CERTIFICATE OF Product Quality Assurance

This is to certify that a representative of ABS did, at the request of

Ellwood Crankshaft & Machine Company

located at

2727 Freeldand Road, Hermitage, PA. 16148

attend its facilities on the date and location stated, in order to carry out an audit of its quality system procedures. The system is considered to be in compliance with the ABS Quality Assurance Certificate criteria, subject to continued compliance with the most recent ISO 9000 Standard based on semi-annual audits by a representative of ABS, and periodic review and renewal of this Certificate, and alignment with Manufacturer Assessment Certificate validity.

Product(s) **Finished Machined Crankshaft and Secondary Shafts**

Joseph J. Williams, Manager Corporate ABS Programs

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned manufacturing process without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/59 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

First Semi-annual Endorsement

Surveyor

WO and Date

First Annual Endorsement

Surveyor

WO and Date

Second Semi-annual Endorsement

Surveyor

WO and Date

Second Annual Endorsement

Surveyor

WO and Date

Third Semi-annual Endorsement

Surveyor

WO and Date

Third Annual Endorsement

Surveyor

WO and Date

Fourth Semi-annual Endorsement

Surveyor

WO and Date

Fourth Annual Endorsement

Surveyor

WO and Date

Fifth Semi-annual Endorsement

Surveyor

WO and Date