



## FACTORY APPROVAL CERTIFICATE

**Certificate No.:** 18319-107006.01, Rev. 0  
**Audit Date:** January 29, 2019  
**Audited Factory:** Glidewell Specialties Foundry Company  
600 Foundry Road, Calera, AL 35040, USA  
**Products Manufactured:** Ductile Iron Fittings

### Purpose and Scope of Audit:

- 1) Evaluation of company's capabilities for manufacture of Ductile Iron Fittings in accordance with:
  - a) ISO 2531, 6<sup>th</sup> edition, 2009-12-15, ductile iron pipes, fittings, accessories and their joints for water applications
  - b) BS EN 545:2010 Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements
  - c) ACIPCO Specification: QD-RAIS205 for ISO 2531 Fittings - Glidewell Foundry and test methods
- 2) Evaluation of company's quality management systems.

### Conclusions:

The undersigned to Bureau Veritas certifies that Glidewell Specialties Foundry Company has capabilities of manufacturing the about listed products according to the following standards:

1. ISO 2531, 6<sup>th</sup> edition, 2009-12-15, ductile iron pipes, fittings, accessories and their joints for water applications
2. BS EN 545:2010 Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements
3. ACIPCO Specification: QD-RAIS205 for ISO 2531 Fittings - Glidewell Foundry and test methods

This approval remains valid as long as no significant changes are made to the audited facilities and their quality systems. These conditions are to be assessed during each surveillance audit.

This certificate is valid to January 29, 2022 contingent upon successful annual surveillance audits.

Issued at Houston  
January 31, 2019

James Cheng  
Technical Expert

Flavia Rezende  
Offshore Manager

