

Certificate CN16/20866

The management system of



GF Casting Solutions Suzhou Co. Ltd.

Unified Social Credit Code 913205947596616800

Business Registration Address: No. 117, Changyang Street, Suzhou Industry Park

Business Operation Address: No. 117, Changyang Street, Suzhou Industry Park, Jiangsu Province, P.R. China

has been assessed and certified as meeting the requirements of

GB/T 23331-2020/ ISO 50001:2018 RB/T 119-2015

For the following activities

Energy management activity and energy saving technology application related to energy purchasing, energy acceptance, energy storage, energy processing and transferring, energy delivery, energy utilization during manufacture of aluminium alloy castings and magnesium alloy castings for automotive and other industrial applications, development of aluminium alloy castings, magnesium alloy castings and iron castings



For the detail information regarding boundaries and comprehensive energy consumption, please see the appendix with the same number of this certificate and it is the component of this certificate.

This certificate is valid from 30 May 2021 until 09 July 2022 and remains valid subject to satisfactory surveillance audits.

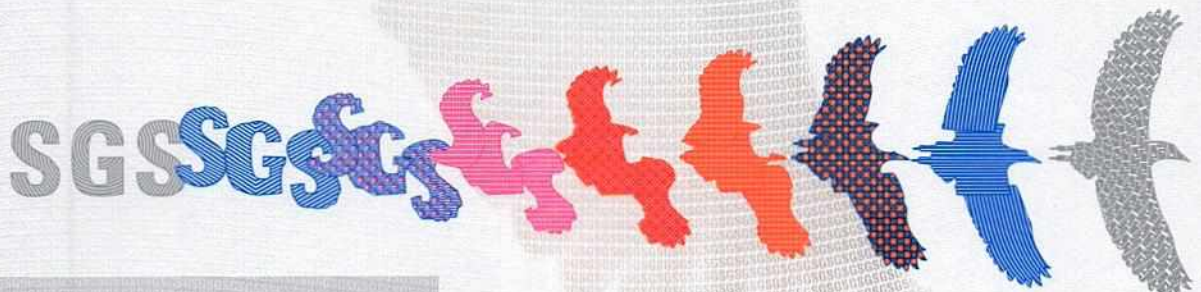
Re certification audit due a minimum of 60 days before the expiration date Issue 5. Certified since 10 July 2016.

Authorized by

SGS CSTC Standards Technical Services Co., Ltd.
16F Century YuHui Mansion, No. 73 Fucheng Road, Beijing, P.R. CHINA 100142
t +86 (0)10 6845-6699 f +86 (0)10 6845-8121 www.sgs.com

The certification information can be verified on the web site of Certification and Accreditation Administration of the People's Republic of China www.cnca.gov.cn

Page 1 of 1



This document is issued by the Company subject to its General Conditions of Certification Services accessible at www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein. The authenticity of this document may be verified at <http://www.sgs.com/en/certified-clients-and-products/certified-client-directory>. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

GF Casting Solutions Suzhou Co. Ltd.

Unified Social Credit Code 913205947596616800
 No. 117, Changyang Street, Suzhou Industry Park, Jiangsu Province, P.R. China

GB/T 23331-2020/ ISO 50001:2018 RB/T 119-2015

Issue 5



Organization's energy performance indicators and boundaries

Audit type and date	Energy consumption per unit product or unit output value during audit cycle	Boundaries
Re-Audit May. 27-29, 2019	From Jun. 2017 to Apr. 2018 Aluminium alloy castings: 0.0982 tce/ten thousand RMB 505.6 kgce/ton Magnesium alloy castings: 0.0726 tce/ten thousand RMB 450.7 kgce/ton From May. 2018 to Apr. 2019 0.0848 tce/ten thousand RMB Aluminium alloy castings: 0.0868 tce/ten thousand RMB 483.18 kgce/ton Magnesium alloy castings: 0.0676 tce/ten thousand RMB 484.71 kgce/ton	Located in Phase I, II, III and IV at No. 117, Changyang Street, Suzhou Industry Park, Jiangsu Province, P.R. China, energy consumption process includes production process like melting, pressure casting, heat treatment, machining, grinding, polishing and assembly process, and auxiliary production process like compressed air supply, dust exhausting, ventilation, lighting, air conditioning and cooling, as well as subsidiary production process like kitchen, bathroom output of comparable aluminium alloy castings from Jun. 2017 to Apr. 2018: 13609.00 tons output of comparable magnesium castings from Jun. 2017 to Apr. 2018: 1859.15 tons Output of comparable aluminium alloy castings from May. 2018 to Apr. 2019: 13522.93 tons Output of comparable magnesium castings from May. 2018 to Apr. 2019: 1213.50 tons
1 st Sur Jul. 6-7, 2020	From May. 2019 to Jun. 2020 0.0841 tce/ten thousand RMB Aluminium alloy castings: 0.0865 tce/ten thousand RMB 510.26 kgce/ton Magnesium alloy castings: 0.0547 tce/ten thousand RMB 518.25 kgce/ton	Boundaries: same as above Output of comparable from May. 2019 to Jun. 2020: Aluminium alloy castings 13002.00 tons Magnesium alloy castings: 683.92 tons
2 nd Sur May. 17-19, 2021	From Jul. 2020 to Apr. 2021 0.0893 tce/ten thousand RMB Aluminium alloy castings: 0.0931 tce/ten thousand RMB 475.11 kgce/ton Magnesium alloy castings: 0.0482 tce/ten thousand RMB 529.64 kgce/ton	Boundaries: same as above Output of comparable from Jul. 2020 to Apr. 2021: Aluminium alloy castings 11,913 tons Magnesium alloy castings: 506 tons



证书 CN16/20866

下述组织

乔治费歇尔金属成型科技 (苏州)有限公司

统一社会信用代码 913205947596616800

注册地址: 苏州工业园区长阳街 117 号

经营地址: 中国江苏省苏州工业园区长阳街 117 号

的管理体系已经过审核, 并被证明符合下述要求

GB/T 23331-2020/ ISO 50001:2018 RB/T 119-2015

所涉及的活动范围覆盖

汽车和工业用铝合金和镁合金铸件的制造, 铝合金铸件、镁合金铸件和铁铸件的研发过程中涉及到的能源采购、接收/贮存、加工转换、输配、使用等过程的管理及节能技术的应用。

获证组织上年度和本年度的单位产品综合能耗和万元产值能耗及能耗核算边界见标有相同证书注册号的证书附件, 证书附件是本证书的组成部分

该证书的有效期自 2021 年 05 月 30 日至 2022 年 07 月 09 日
并须经过符合要求的监督审核保持有效
持续认证至少在证书失效前 60 天执行
版本号 5. 初始注册日期 2016 年 07 月 10 日

签署

通标准技术服务有限公司

北京市阜成路 73 号世纪裕惠大厦 16 层 100142

电话: +86 (10)6845-6699 传真: +86 (10)6845-8121 www.sgs.com

本证书信息可在国家认证认可监督管理委员会公示的网站 www.cnca.gov.cn 上查询

第 1 页 共 1 页



本文件由本公司根据公布在其网站 www.sgs.com/terms_and_conditions.htm 中的认证服务通用条款颁发, 请注意其中已确定的责任范围、赔偿和司法管辖事项。本文件的真实性可在网站 <https://www.sgs.com/en/certified-clients-and-products/certified-client-directory> 中核实。任何未经授权的对此文件的内容或外观的变更、伪造或篡改均属非法, 违反者将会被依法追究。

乔治费歇尔金属成型科技 (苏州)有限公司

统一社会信用代码 913205947596616800
中国江苏省苏州工业园区长阳街 117 号

**GB/T 23331-2020/
ISO 50001:2018
RB/T 119-2015**

版本号 5


获证组织能效指标及能耗核算边界

审核类型及 时间	审核周期内单位 产品/产值能耗	能耗核算边界
换证审核 2019年5月 27-29日	2017年6月-2018年4月 铝合金铸件: 0.0982 吨标准煤/万元 505.6 kg 标准煤/吨 镁合金铸件: 0.0726 吨标准煤/万元 450.7 kg 标准煤/吨 2018年5月-2019年4月 0.0848 吨标准煤/万元 铝合金铸件: 0.0868 吨标准煤/万元 483.18 千克标准煤/吨 镁合金铸件: 0.0676 吨标准煤/万元 484.71 千克标准煤/吨	位于中国江苏省苏州工业园区长阳街 117 号的工厂的一期、二期、三期和四期工程, 主要用能过程包括熔化、压铸、热处理、机加工、研磨、抛丸、组装等主要生产过程和压缩空气制取、除尘、排风照明、空调和冷却等辅助生产过程以及食堂和洗浴等附属过程。 2017年6月-2018年4月可比产量: 铝合金铸件可比产量: 13609.00 吨 (折算系数 1) 镁合金铸件可比产量: 1859.15 吨 (折算系数 1.03) 2018年5月-2019年4月可比产量: 铝合金铸件可比产量: 13522.93 吨 (折算系数 1) 镁合金铸件可比产量: 1213.50 吨 (折算系数 1.03)
第一次监督 审核 2020年7月 6-7日	2019年5月-2020年6月 0.0841 吨标准煤/万元 铝合金铸件: 0.0865 吨标准煤/万元 510.26 千克标准煤/吨 镁合金铸件: 0.0547 吨标准煤/万元 518.25 千克标准煤/吨	边界同上 2019年5月-2020年6月可比产量: 铝合金铸件可比产量: 13,002.00 吨 (折算系数 1) 镁合金铸件可比产量: 683.92 吨 (折算系数 1.03)
第二次监督 审核 2021年5月 17-19日	2020年7月-2021年4月 0.0893 吨标准煤/万元 铝合金铸件: 0.0931 吨标准煤/万元 475.11 千克标准煤/吨 镁合金铸件: 0.0482 吨标准煤/万元 529.64 千克标准煤/吨	边界同上 2020年7月-2021年4月可比产量: 铝合金铸件可比产量: 11,913 吨 (折算系数 1) 镁合金铸件可比产量: 506 吨 (折算系数 1.03)