ISUZU DIESEL

佳良机械科技（浙江）有限公司
五十铃工程柴油机授权服务站

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JIALIANG MACHINERY TECHNOLOGY (ZHEJIANG) CO., LTD.

ISUZU DIESEL SERVICE STATION

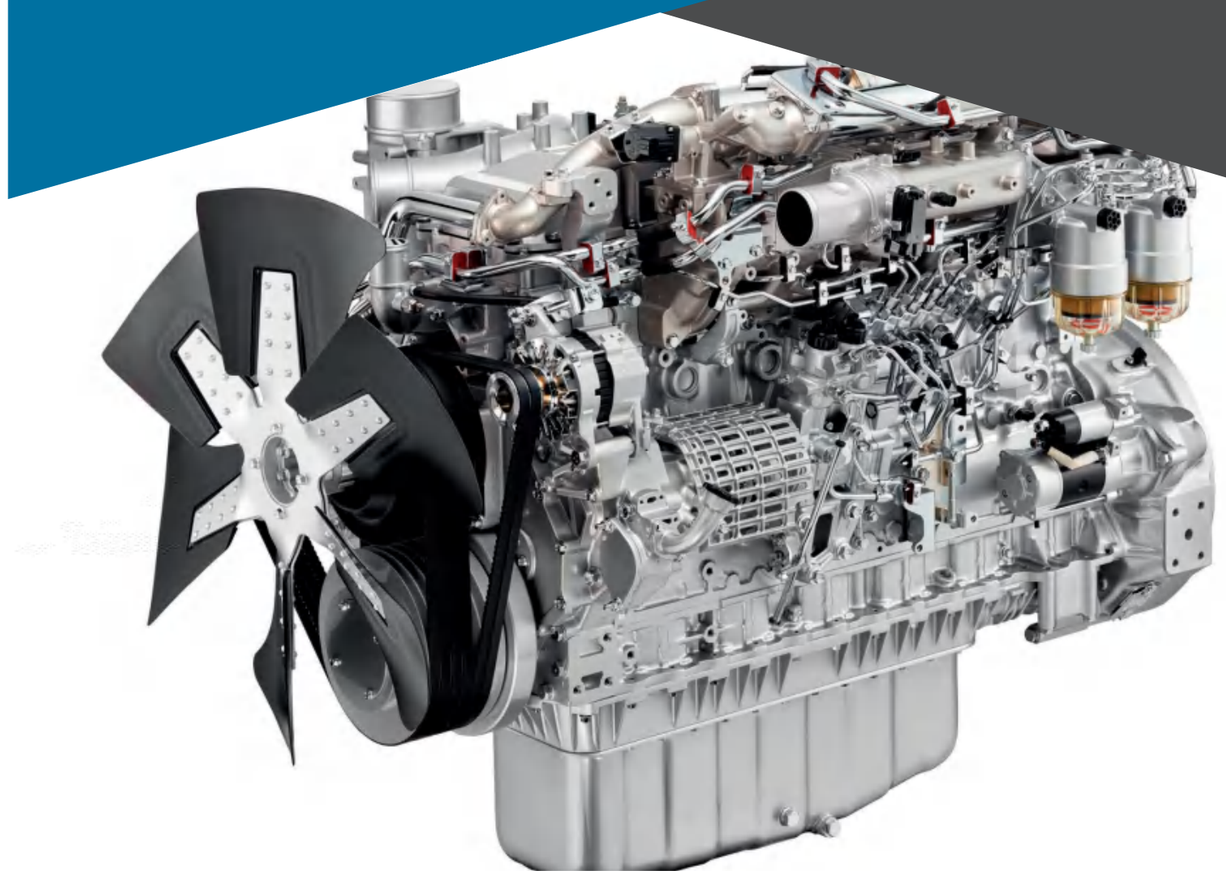
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ISUZU DIESEL 特约服务

JIALIANG MACHINERY TECHNOLOGY (ZHEJIANG) CO., LTD.

佳良机械科技（浙江）有限公司

JIALIANG



PRODUCT CATALOG
产品目录

01 ABOUT US / 关于我们

COMPANY INTRODUCTION / 企业简介 ····· 1-2
DEVELOPMENT HISTORY / 发展历程 ····· 3
INDUSTRY RECOGNITION / 行业认可 ····· 4-5

02 ENGINE PARTS / 发动机零部件

CYLINDER HEAD / 气缸盖 ····· 6
CYLINDER BLOCK / 气缸体 ····· 7
CRANKSHAFT/CAMSHAFT / 曲轴 / 凸轮轴 ····· 8
GASKET SET / 垫片套件 ····· 9
FUEL PUMP/TURBOCHARGER ASM / 燃油泵 / 涡轮增压器总成 ····· 10
FILTER / 滤清器 ····· 11
ENGINE MAINTENANCE KIT / 发动机维修套件 ····· 12

03 DIESEL ENGINE / 柴油发动机

ENGINE ASM / 发动机总成 ····· 13-15

04 OUR SERVICES / 我们的服务

EXHIBITION PARTICIPATION / 参展情况 ····· 16
PROFESSIONAL TECHNICAL SERVICES / 专业技术服务 ····· 17

ABOUT US
企业简介

Jialiang Machinery Technology (Zhejiang) Co., Ltd. is located in Hangzhou, China, beside the picturesque West Lake. It is a limited liability company integrating the sales of complete construction machinery, mechatronic-hydraulic integration, product R&D, smart manufacturing and the authorised dealership of Isuzu diesel engines. As an enterprise above designated size, its subsidiary Jialiang Zhidong is a technology-based small and medium-sized enterprise in Zhejiang Province. Backed by a strong R&D team and driven by technological innovation, the company has developed multiple national patented invention products including portable engine starters and three-axis magnetic sensors.

Customer satisfaction is the enduring goal and principle pursued by all Jialiang staff. For more than 20 years, the company has built solid partnerships with China National Gold Group, China Railway Group and China State Construction Group. Since 2008, it has taken full advantage of its technical strengths in Africa-aid programmes and the Belt and Road Initiative, upholding the philosophy of “giving a man the means to fish, rather than merely giving him fish”. Its technicians have been sent overseas on many occasions to deliver technical guidance and training. In 2023, authorised by Isuzu Diesel Engines, Jialiang established its overseas subsidiary in Indonesia to explore new business models and deliver an all-in-one equipment service system covering preventive maintenance planning, precise emergency repair and after-service upkeep for construction machinery.

Founded in August 2003, the company has repeatedly been awarded the title of Zhejiang Provincial Model Unit for Quality and Integrity. In 2017, it became the first chairman unit of the Hangzhou Construction Machinery Industry Association, Zhejiang Province. It has also been named one of the National Top Ten Service Stations by its principal brand Isuzu Diesel Engines for many consecutive years.

Going forward, Jialiang Machinery Technology (Zhejiang) Co., Ltd. will adhere to its business philosophy of honouring commitments, valuing talent, prioritising customers and pursuing excellence. It will keep advancing with reliable quality and strive to become a leading player in the industry.

佳良机械科技 (浙江) 有限公司坐落于美丽的西子湖畔—中国杭州，是一家集工程机械整机销售，机、电、液一体化，产品研发、智能制造、五十铃柴油机品牌代理为一体的有限责任公司。作为一家规上企业，旗下佳良智动是浙江省科技型中小企业，公司拥有优秀的科研技术团队，始终秉承以科技创新为依托，先后研发出便携式发动机启动装置、三轴磁传感器等多项国家发明专利产品。

客户的满意是佳良人追求不懈的目标和理念。20 多年来与中国黄金、中铁集团、中建集团建立起牢固的合作关系。从 2008 年参与援非项目、“一带一路”建设的过程中充分发挥技术优势，强化“授人以鱼，更授人以渔”的理念，多次派遣技术人员远赴海外进行技术指导与培训。2023 年，受五十铃柴油机委派成立了佳良机械印度尼西亚海外分公司，探索开拓新模式，为客户提供工程机械设备前期维护预案、精准抢修、后期保养为一体的诊修体系。

公司自 2003 年 8 月创立以来，多次获评浙江省重质量守诚信示范单位；2017 年度成为浙江省杭州市工程机械设备行业协会首届会长单位，连续多年被代理品牌五十铃柴油机评选为全国十佳服务站。

未来，佳良机械科技 (浙江) 有限公司将本着重诺守信、重视人才、客户至上、精益求精的经营理念，以优良的品质持续奋进，力争成为行业的佼佼者。



The company's headquarters is located in Building 6, Haiju Center, Qiantang, Hangzhou
公司总部位于杭州钱塘海聚中心六幢



Engine Overhaul Workshop
发动机检修车间



Engine Storage Center
发动机仓储中心

ABOUT
MEMORABILIA

2003 Jialiang Machinery founded in Linhai
临海肇始，创立佳良机械

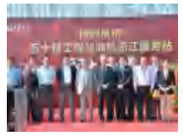
2006 Inner Mongolia Technical Service Branch established
北拓疆隅，设立内蒙古技术服务分公司





2008 Awarded the title of Excellent Service Station by Isuzu Diesel
载誉加冕，获评五十铃柴油机优秀服务站

2014 Zhejiang Jialiang Isuzu Authorised Service Station opened in Hangzhou
落子杭城，设立浙江佳良五十铃授权服务站





2018 Honoured as one of Isuzu Diesel Engine’s National Top 10 Service Stations
深耕致远，荣膺五十铃柴油机全国十佳服务站



2021 Headquarters relocated to Qiantang Haiju, entering a new development stage
总部迁址，扎根钱塘海聚，迈入发展新阶段



2022 Jialiang Zhidong Technology founded to build in-house R&D system
科创赋能，成立佳良智动科技，搭建自研体系

2023 Jialiang Indonesia established to enter ASEAN markets
扬帆出海，成立印尼佳良，布局东盟海外市场





2025 20-year partnership milestone with Isuzu Diesel Engine, embarking on a new journey
廿载同行，与五十铃柴油机携手共赴新程

GROWING UP



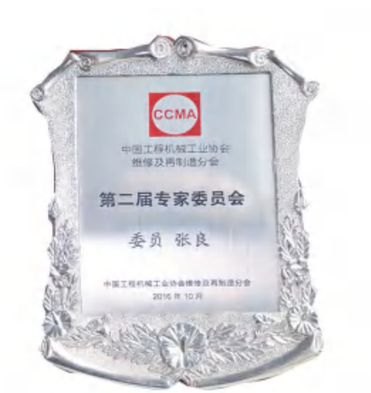
CERTIFICATE OF AUTHORIZATION: ISUZU DIESEL ENGINE AUTHORIZED SERVICE STATION

五十铃发动机特约服务站认定证书



INDONESIA CERTIFICATE OF AUTHORIZATION: ISUZU DIESEL ENGINE AUTHORIZED SERVICE STATION

五十铃柴油机特约服务站印度尼西亚认定证书



EXPERT COMMITTEE OF MAINTENANCE AND REMANUFACTURING BRANCH OF CHINA CONSTRUCTION MACHINERY INDUSTRY ASSOCIATION

中国工程机械工业协会维修及再制造
分会第二届专家委员会委员 张良



CHINA CONSTRUCTION MACHINERY

TECHNICAL SERVICE EXPERT

第六届中国工程机械技术服务专家张良



LETTER OF APPRECIATION FROM ISUZU DIESEL ENGINES, COMMEMORATING TWO DECADES OF PARTNERSHIP

五十铃柴油机感谢状，承载二十年



FIRST CHAIRMAN UNIT OF HANGZHOU CONSTRUCTION MACHINERY EQUIPMENT & PARTS CHAMBER OF COMMERCE

杭州市工程机械设备配件商会第一届会长单位

INDUSTRY RECOGNITION
行业认可



Chairman Zhang Liang, founder of the company and outstanding entrepreneur representative of Qiantang District, Hangzhou, participates in the Elite Entrepreneur Training Program.
杭州市钱塘区优秀企业家代表，参加企业家领菁学习



Chairman Zhang Liang has visited Japan on multiple occasions for exchange and study.
创始人张良多次前往日本进行访问学习



Senior representatives from Isuzu Motors' Overseas Business Division and Isuzu Motors Off-Highway Diesel Engine (Shanghai) Limited (PTC) have visited our company on multiple occasions for on-site exchanges and discussions.
五十铃海外事业部、五十铃汽车工程柴油机（上海）有限公司（PTC）领导多次莅临我司考察交流



Chairman Zhang Liang has been invited many times to thematic forums hosted by China Construction Machinery Association and local industry associations.
多次受邀请参加中国工程机械协会、地方协会举办的主题论坛

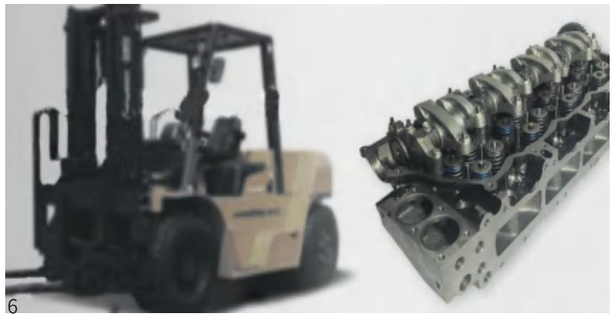
CYLINDER HEAD
缸盖

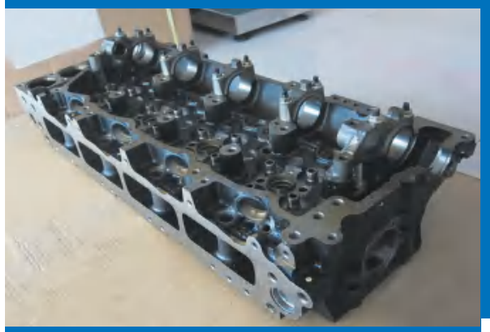
The ISUZU cylinder head solves the problem that the ordinary cylinder head is subjected to low-cycle thermal fatigue damage, high-cycle thermal fatigue damage and creep damage during operation, and its life and reliability are important indicators of the engine.

五十铃气缸盖解决了普通气缸盖在工作中受到低周热疲劳损伤、高周热疲劳损伤和蠕变损伤的问题，其寿命和可靠性是发动机的重要指标。





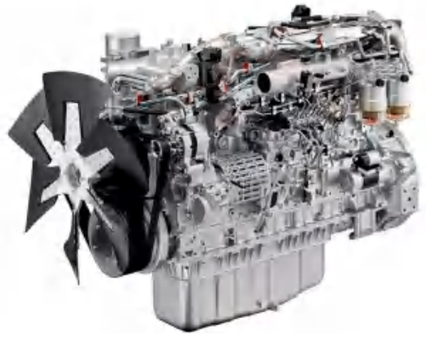


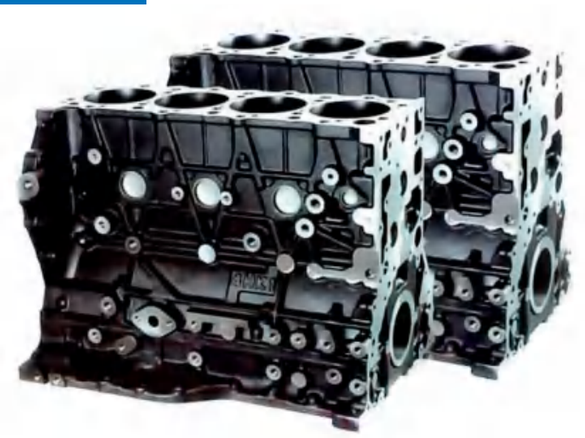


The cylinder head is also equipped with inlet and exhaust valve seats, valve guide holes for installing inlet and exhaust valves, as well as intake and exhaust passages.

缸盖上还装有进、排气门座，气门导管孔，用于安装进、排气门，还有进气通道和排气通道等。







CYLINDER BLOCK
缸体

The engine block is one of the most critical parts in the engine and is the basis for all parts of the engine. The engine connects the crank-link mechanism of the engine and the valve train, as well as the mechanisms of oil supply, lubrication,cooling, etc., through a cylinder.

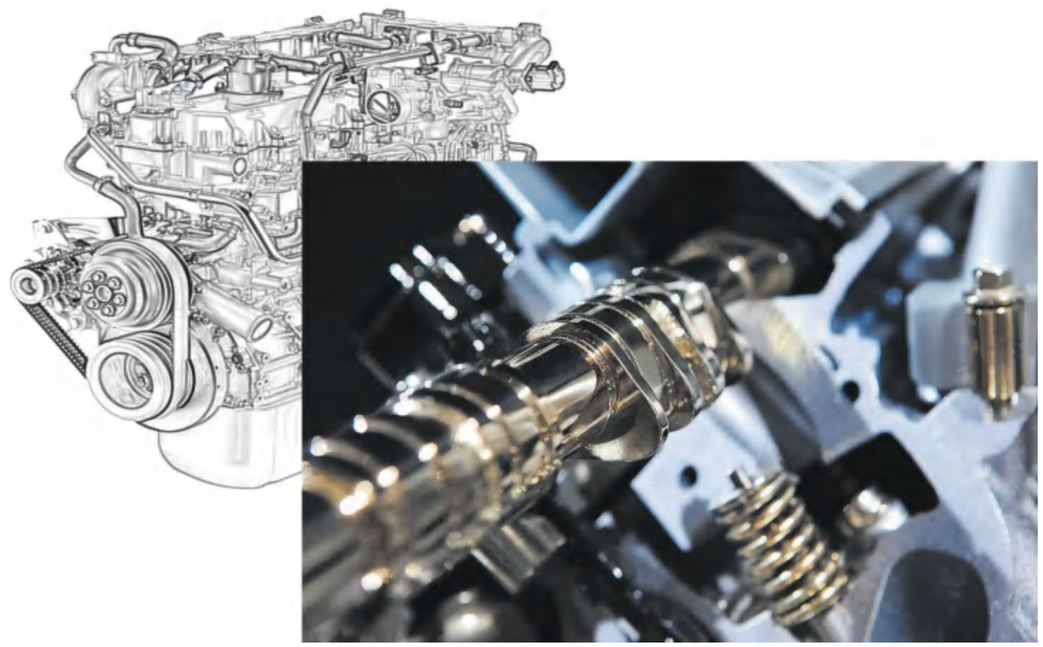
Japan's imported ISUZU diesel engine block has high precision requirements and ensures the overall performance and quality of the engine.

发动机缸体是发动机中最关键零件之一，是发动机安装所有零件的基础。发动机通过缸体将发动机的曲柄连杆机构和配气机构以及供油、润滑、冷却等机构联接为一个整体。

日本原装进口的五十铃柴油发动机缸体其精度要求高，对发动机的整体性能和质量起到了保障作用。



CRANKSHAFT/CAMSHAFT
曲轴 / 凸轮轴



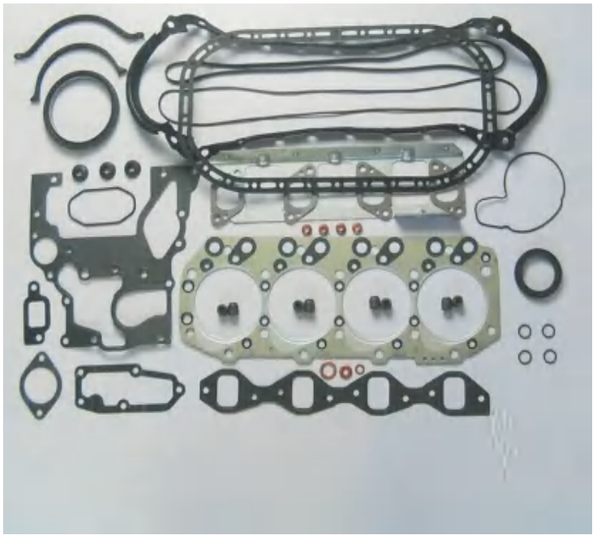


佳良机械科技（浙江）有限公司
JiaLiang Machinery Technology(ZheJiang) Co., Ltd.

GASKET SET
大修包

During the overhaul of the engine, the original bearing bush, sealing ring, gasket, etc., whether or not the function is normal or not, in order to ensure the effect of overhaul, the general requirements are replaced, and the ISUZU engine overhaul package integrates and packs such components according to different engine types. Convenient for centralized use.

发动机大修过程中，原有的轴瓦、密封圈、垫片等无论功能是否正常是否磨损，为了确保大修的效果，一般要求全部进行更换，五十铃发动机大修包根据不同发动机类型将此类部件整合打包，方便集中使用。





LINER SET
缸套组件

ISUZU DIESEL FUEL PUMP
喷油泵

The fuel injection pump is the most important part of the diesel engine and is regarded as the "heart" component of the diesel engine. If it goes wrong, the whole diesel engine will malfunction. The ISUZU fuel injection pump improves the fuel consumption of the general fuel injection pump and greatly increases the life of the engine while saving fuel.



喷油泵则是柴油机最重要的部件，被视为柴油发动机的“心脏”部件，它一旦出问题会使整个柴油机工作失常。

五十铃喷油泵改善了一般喷油泵的耗油问题，在节油的同时，大大增加了发动机的寿命。



TURBOCHARGER ASM
涡轮增压器

涡轮增压器是用来提高发动机功率和减少废气排放的重要配件。五十铃增压器在不改变柴油机基本结构的情况下使燃油量降低，得到很好的增益效果



Turbochargers are important accessories for increasing engine power and reducing exhaust emissions. The ISUZU turbocharger reduces the fuel quantity and achieves a good gain effect without changing the basic structure of the diesel engine.



ISUZU ENGINE DIESEL
燃油滤清器 / 机油滤清器

FILTER





The ISUZU diesel engine filter has strong filtering capacity, small flow resistance and long service life, ensuring stable operation of the engine and improving reliability.

五十铃柴油机滤清器过滤能力强、流通阻力小、使用寿命长，确保发动机稳定运行，提高可靠性

ECU (Electronic Control Unit) receives the data of each sensor on the engine, and then calculates the injection time and ignition time. And controlling other actuators

ECU(Electronic Control Unit) 电子控制单元接收发动机上各个传感器的数据，然后再计算出喷油时间，点火时间。以及控制其他的执行元件





ENGINE MAINTENANCE KIT
发动机大修套装

The ISUZU engine maintenance kit is a key role in engine maintenance.A kit consisting of the original cylinder liner set,gasket kit, tile, and thrust .The price is more competitive for customers. 6HK1/6BG1 maintenance kit are sale at present.

五十铃发动机大修套件在发动机维修中起到了关键的作用，由原装的缸套组件、大修包、大小瓦、止推片组成的套件给予客户更有竞争力的价格。目前国内有售 6HK1 及 6BG1 大修套件



ENGINE ELECTRICAL CONTROL PARTS



启动马达 STARTER

The ISUZU starter motor with high durability and high reliability to ensure engine operation

五十铃启动马达的高耐久性，高可靠性保障发动机运转



发电机 GENERATOR

The ISUZU generator is the main source of power for excavators, easy to maintain and reliable

五十铃发电机是挖机的主要电源来源，维护方便 、工作可靠

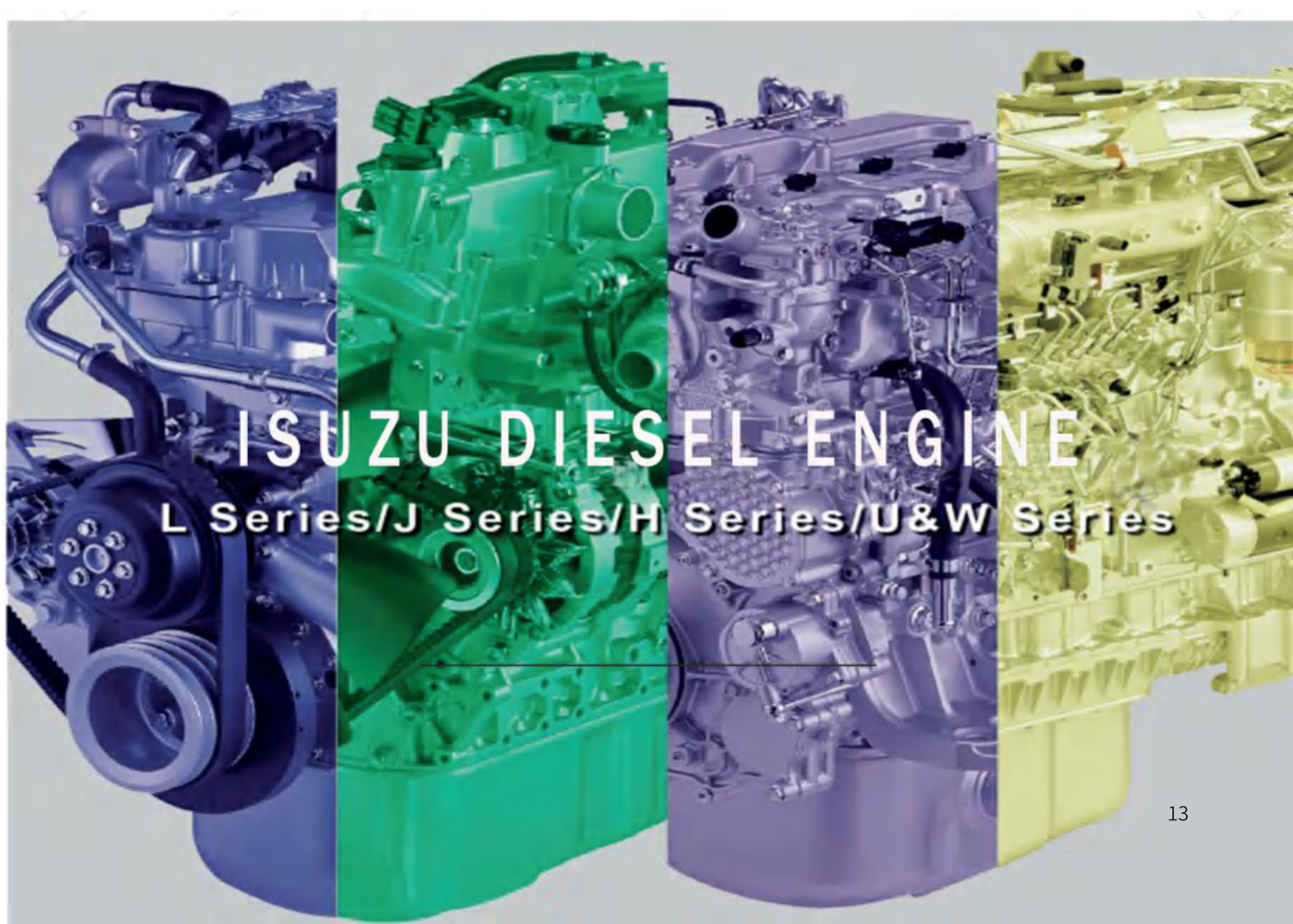


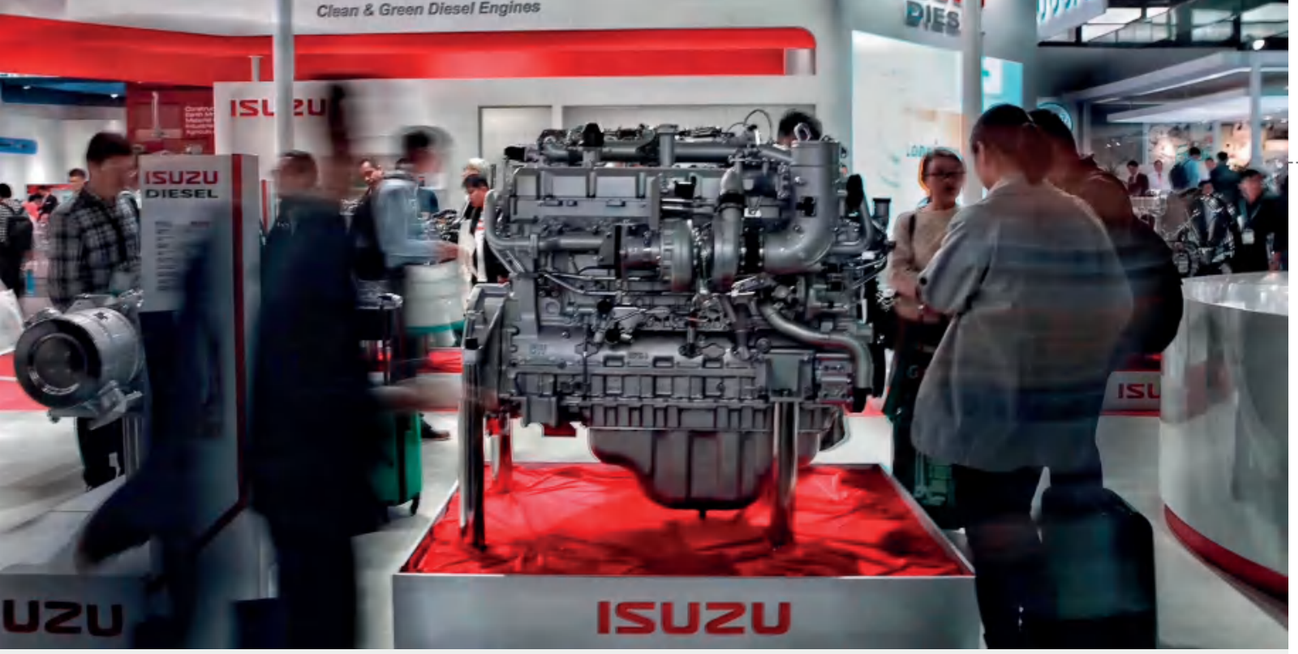
发动机线束 HARNESS

A circuit that controls the connection of the computer to the various sensors of the engine.

控制电脑与发动机各传感器连接的线路。

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JiaLiang Machinery Technology(ZheJiang) Co., Ltd.





4HK1

ISUZU

型号	4HK1
额定功率	124-140kW/2000rpm
净重	510kg
排量	5.193L
尺寸	
发动机形式	直列4气缸 OHC
进气形式	中冷涡轮增压
燃烧形式	直喷
排放对应	GB3/GB4/FT4/ST5

4JJ1

ISUZU

型号	4JJ1
额定功率	86kW/2200rpm
净重	320kg
排量	2.999L
尺寸	
发动机形式	直列4缸OHC
进气形式	中冷涡轮增压
燃烧形式	直喷
排放对应	GB3/GB4/FT4/ST5

6HK1

ISUZU

型号	6HK1
额定功率	210kW/1900rpm
净重	710kg
排量	7.79L
尺寸	
发动机形式	直列6气缸 OHC
进气形式	中冷涡轮增压
燃烧形式	直喷
排放对应	GB3/GB4/FT4/ST5

6UZ1

ISUZU

型号	6UZ1
额定功率	250-270kW/2000rpm
净重	940kg
排量	9.839L
尺寸	
发动机形式	直列6气缸 OHC
进气形式	中冷涡轮增压
燃烧形式	直喷
排放对应	GB3/GB4/FT4/ST5

6WG1

ISUZU

型号	6WG1
额定功率	310-382kW/1800rpm
净重	1150kg
排量	15.681L
尺寸	
发动机形式	直列6气缸 OHC
进气形式	中冷涡轮增压
燃烧形式	直喷
排放对应	GB3/GB4/FT4/ST5

4JG3T

ISUZU

型号	4JG3T
额定功率	36kW/2100rpm
净重	252kg
排量	2.999L
尺寸	
发动机形式	直列4缸 OHV
进气形式	涡轮增压
燃烧形式	直喷
排放对应	GB4

随着柴油发动机技术的发展，一批先进的技术，例如直喷、涡轮增压、中冷、电控、共轨等技术在柴油发动机上应用，使原来柴油发动机存在的缺点得到了较好的解决，而柴油机在节能与 CO_2 排放方面的优势，则是包括汽油机在内的所有热力发动机无法取代的，时至今日柴油机的应用领域已经越来越广泛，五十铃柴油机在卡车、皮卡、SUV、挖掘机、叉车、发动机等众多领域应用



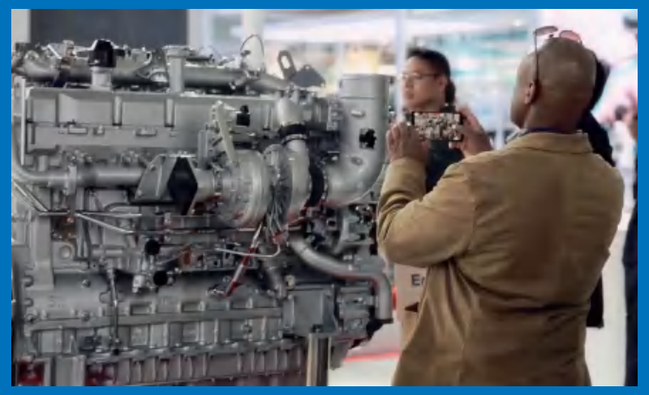
满足中国ⅡⅢⅣ排放阶段的五十铃柴油发动机广泛应用于挖掘机，环保、经济、低油耗成为它的代表词。

高可靠性、高耐久性保障世界范围内运转

With the development of diesel engine technology,a number of advanced technologies, such as direct injection,turbocharged,intercooled, electronic control,common rail and other technologies applied to diesel engines, have made the shortcomings of the original diesel engine better.

The solution, while the advantage of diesel engine in energy saving and CO_2 ranking is that all the heat engines including gasoline engines can't be replaced. Nowadays, the application fields of diesel engines have become more and more extensive. ISUZU diesel engines are used in trucks, pickup trucks, SUVs, and excavation. Machines, forklifts,engines and many other applications





B-Series(4BG1 6BG1)

C-Series(C240)

J-Series(4JJ1 4JB1 4JG1 4JG2)

L-Series(4LE2 4LE1)

H-Series(4HK1 6HK1)

W-Series(6WG1)

U-Series(6UZ1)

EXHIBITION SITUATION
参展情况





JIALIANG Indonesia at Indonesia International Construction & Mining Machinery Exhibition, 2026 — Southeast Asia’s Largest Industry Event.
2026 年印尼佳良参加印尼国际工程机械、矿业机械展览会——东南亚规模最大、影响力最广的行业盛会



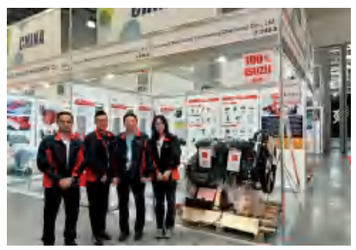
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In 2025, the company participated in CTT Expo Moscow, Russia.
2025 年，公司参加俄罗斯莫斯科 CTT 国际工程机械展览会



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2019 China (Beijing) International Construction Machinery, Building Material Machines and Mining Machines Exhibition & Seminar (BICES)· Photo at the ISUZU PTC Booth
2019 年中国（北京）国际工程机械、建材机械及矿山机械展览与技术交流会（BICES）丨五十铃 PTC 展台



bauma CHINA 2018 · Photo at the ISUZU PTC Booth
2018 年上海宝马展（bauma CHINA）- 中国国际工程机械展览会丨五十铃 PTC 展台

JIALIANG EXHIBITION

PROFESSIONAL TECHNOLOGY SERVICE
专业技术服务

ISUZU DIESEL
特约服务



Technology exchange and sharing
技术交流分享





Joint service inspection carried out by Sunward Indonesia Subsidiary and JIALIANG Indonesia Branch.
山河智能印尼子公司与佳良印尼分公司进行服务联合巡检



Regular technical training session of the company.
公司定期开展技术培训实景



Self-developed portable engine starting device, granted national patent
自主研发便携式发动机启动装置，获国家专利