

**VCA Headquarters**

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VCA job number: CSL225492

Date: 08 December 2010

Dear Sirs,

1. The vehicle type / component described on the attached approval(s) has been tested and meets the requirements of the ECE Regulation / EEC Directive displayed on the approval certificate(s). I enclose a set of approval documents, comprising, as appropriate, the approval certificate, test report and your documentation duly authenticated.

2. If you think there are any errors in the enclosed package, please contact Patricia Britton, telephone 0117 9524171, e-mail pat.britton@vca.gov.uk immediately. Please be aware that from the date of issue we have a three week holding period, any corrections required after this time will need to be corrected via an extension, index revision or correction 1 certificate, as appropriate.

ROAD TRAFFIC ACT 1988 - SECTION 80

3. The Secretary of State for Transport authorises, under section 80 of the Road Traffic Act 1988, the stated manufacturer or accredited agent to apply to the motor vehicle type / part specified, the appropriate mark designated in the Motor Vehicles (Designation of Approval Marks) Regulations 1979, as amended. The conditions attached to this authorisation are set out overleaf.

4. If this approval / extension / index revision results in a change being required to a vehicle information document issued under either a National or European Whole Vehicle approval you should notify the issuing authority to arrange for the approval(s) to be updated.

5. VCA is continually scrutinising the quality of the service it provides to customers, in order to discover more ways in which the standard can be improved. If you have a specific complaint concerning the way this job has been dealt with, our customer services leaflet gives guidance on the best approach. If you would like a copy, please contact the above.

Yours sincerely,

Operations Branch



INVESTOR IN PEOPLE



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1. CONDITIONS

1.1 This Approval may be withdrawn at any time and while held is subject to the following conditions.

2. CONDITIONS OF MOTOR VEHICLE PARTS

- 2.1 The holder of this approval shall put the approval mark described in the Motor Vehicles (Designation of Approval Marks) Regulations 1979 as amended only on Motor Vehicle Parts that:
- Have been manufactured, assembled or completed in factories under his control and
 - Conform in all material respects with the samples, which were tested before this approval was issued.
- 2.2 The holder of this approval shall mark his products in the manner set out in the relevant Regulation / Directive as given in the Motor Vehicles (Designation of Approval Marks) Regulations 1979 as amended together with:
- The approval number allocated by the Secretary of State for Transport.
 - His name or trademark
 - Any other markings specified in the appropriate international Regulation
- 2.3 The holder of this approval shall be prepared at any time to satisfy Department for Transport officials or agents of the Department, that the quality of the part being produced and marked or intended to be by him with the approval marking conforms in all material respects with that of the samples tested as the International Regulation requires.
- 2.4 The holder of this approval undertakes to admit duly authorised officials or agents of the Department at all reasonable times to any premises in which parts marked or intended to be marked are being manufactured, assembled or stored and to permit any such official or agent to inspect parts and all records relating to them and their production processes.
- 2.5 This approval may be suspended or withdrawn by the Secretary of State for Transport at any time without any particular length of notice being given and in the event of that being done the holder will absolve the Secretary of State from any claim for damages or compensation.

3. CONDITIONS FOR MOTOR VEHICLES

- 3.1 The holder of this approval shall put the approval mark described in the Motor Vehicles (Designation of Approval Marks) Regulation 1979 as amended only on Motor Vehicles fitted with Motor Vehicle parts which Motor Vehicles as fitted with such parts conform with the type of Motor Vehicle approved by as on behalf of the Secretary of State for Transport and only on Motor Vehicles that:
- Have been manufactured, assembled or completed in factories under his control and
 - Conform in all material respects with the type of Motor Vehicle, which was tested before an approval certificate was issued.
- 3.2 The holder of this approval shall mark motor vehicles of the type approved. In the matter set out in the relevant Regulation / Directive using the authorised approval mark as given in the Motor Vehicles (Designation of Approval Marks) Regulation 1979 as amended together with the approval number allocated by the Secretary of State for Transport.
- 3.3 The holder of this approval shall mark Motor Vehicles of the type approved in the manner set out in the relevant Regulation annexed to the United Nations agreement of 1958 as amended using the authorised approval mark which comprises a capital letter E followed by the number 11 within a circle together with the approval number allocated by the Secretary of State for Transport.
- 3.4 The holder of this approval shall be prepared at any time to satisfy Department for Transport officials or agents of the Department that Motor Vehicles of the type approved which have been produced and marked or that are intended to be marked by him conform in all material respects with the type of vehicle approved.
- 3.5 The holder of this approval undertakes to admit duly authorised officials or agents of the Department at all reasonable times to any premises in which the Motor Vehicles of the type approved which have been or are intended to be marked are manufactured, assembled or stored and to permit any such official or agent to inspect the Motor Vehicles and all records relating to them and their production processes.
- 3.6 This approval may be suspended or withdrawn by the Secretary of State for Transport at any time without any particular length of notice given and in the event of that being done the holder will absolve the Secretary of State from any claim for damages or compensation.





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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY



COMMUNICATION CONCERNING THE APPROVAL GRANTED OF A
DRIVE TRAIN PURSUANT TO REGULATION NO 85 WITH REGARD TO
THE MEASUREMENT OF THE NET POWER

Approval No: 85R-002034

1. Trade name or mark of drive train or set of drive trains: FAWDE
2. Internal combustion engine:
 - 2.1. Make: China FAW Jiefang Automotive Company,Ltd. Wuxi Diesel Engine Works
 - 2.2. Type: CA4DF3-15E3
 - 2.2. Manufacturer's name and address:
China FAW Jiefang Automotive Company,Ltd. Wuxi Diesel Engine Works(FAWDE)
Yongle East Road 99,
WUXI CITY,
JIANGSU PROVINCE,
PEOPLE'S REPUBLIC OF CHINA
3. Electric drive trains (s):
 - 3.1. Make: N/A
 - 3.2. Type: N/A
 - 3.3. Manufacturer's name and address :N/A
5. Drive train or set of drive trains submitted for approval on: 08 OCTOBER 2010
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of report issued by that service: 08 NOVEMBER 2010
8. Number of report issued by that service: CSL225492



9. Location of the approval mark: on the engine plate
10. Reason(s) for extension of approval (if applicable): Not applicable
11. Internal combustion engine:
- 11.1 Declared figures:
- 11.1.1 Maximum net power: 110 kW, at 2500 min⁻¹
- 11.1.2 Maximum net torque: 500 Nm, at 1300-1700 min⁻¹
- 11.2 Essential characteristics of the engine type:
- Operating principle: four stroke/~~two stroke~~*
- Number and layout of cylinders: 4, In-line
- Cylinder capacity: 4.752×10³ cm³
- Fuel feed: ~~carburettor/indirect injection/~~direct injection*
- Pressure-charger device: YES /~~NO~~*
- Exhaust gas cleaning device: ~~YES~~/ NO*
- 11.3. Engine fuel requirements: ~~leaded petrol/unleaded petrol/~~ diesel fuel/~~NG/LPG~~: 2/
12. Electric drive trains: N/A
- 12.1 Declared figures: N/A
- 12.1.1 Maximum net power: kW, at min⁻¹
- 12.1.2 Maximum net torque: Nm, at min⁻¹
- 12.1.3 Maximum net torque at zero speed: Nm
- 12.1.4 Maximum 30 minutes power: kW
- 12.2. Essential characteristics of the electric drive train: N/A
- 12.2.1 Test DC voltage: V
- 12.2.2 Working principle
- 12.2.3 Cooling system:
- Motor: liquid/air²/
- Variator: liquid/air²/
13. Approval GRANTED

14. Place: BRISTOL

15. Date: 08 DECEMBER 2010

16. Signature: 

A W STENNING
Head of Technical & Quality Group

17. The documents filed with the request for approval or extension may be obtained on request.

CSL225492

Notes

- 1/ Distinguishing number of the country which has granted /extended/refused withdrawn approval (see approval provisions in the Regulation
- 2/ Delete where inapplicable

