



LQG Agri Ltd
Goose Lane
Upper Quinton
Stratford Upon Avon
CV37 8SX

Telephone: (01789) 720265
Fax: (01789) 721489
Email: info@lqgagri.co.uk
Website: www.lqgltd.co.uk
VAT Reg No: 253204146
Company No: 10439863

SOCOTEC UK LTD
UNIT 4
GAINSBOROUGH TRADING ESTATE
LEAMINGTON ROAD
SOUTHAM
CV47 1RB

INVOICE

Account..... 3666
Depot..... 1
Order No.... M0216/M0226
Cust Adv No.
Rep Code.... **
Machine Derate
Panther/SOCOTEC
Job No..... 176998

Page No 2 Date 15/10/2020 Invoice No. 122062

Part Number Description Qty Unit Price Amount
solution for further investigation of fault.

Total Labour 845.00

JC-716/E0156	RELAY MICRO 35/20A 12V	3	EACH	4.86	14.58
LQ-FUEL DIESEL	DIESEL TRACTOR	25	EACH	0.65	16.25
LB-SUNDRY	SUNDRIES/DISPOSAL FEE	1	EACH	5.00	5.00
LB-HGV	HGV TRANSPORT	1	EACH	600.00	600.00

1480.83

V.A.T. 296.16

Invoice Total 1776.99

Rate	Goods	V.A.T.
20.00	1480.83	296.16

Invoice due for payment by 30/11/2020

ORDER No: M0216 = 1150
M0226 = 33083

INVOICE No: M10011

NOMINAL CODE: 45010

JOB No: M1903

AUTHORITY TO PAY: [Signature]

PAYMENT DATE: 15/10/20

Bank Details: LQG AGRI LTD Natwest Stratford-upon-Avon
Account Number: 48008737 Sort Code: 60-20-41

Title to the goods shown on this invoice is transferred to the customer only when full payment has been made.
A minimum 10% handling charge plus any carriage charges will be made on goods returned for credit.
Discounts will automatically be cancelled if the above amount is not received in this office by the date shown. Once discount is cancelled it will not be re-instated
All goods are supplied in accordance with our standard conditions of sale - Copies available on request
Interest of 2% per month compounded will be charged on all overdue accounts.



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Part Number	Description	Qty	Unit	Price	Amount
Wholegood Ref : 18000014					
Model : MISCELLANEOUS			Make : MISCELLANEOUS		

Machine HGV'd from EMR, Low Street Brickworks, Station Road, East Tilbury, Essex, RM18 8QR. Brought back to LQG Agri to investigate de-rating and suspected adblue engine faults.

Went through Deep Sea Module system information (unable to connect with DSM). No faults/issues detected by DSM.

Carried out testing via JCB Service Master. Unable to fully connect to machine due to compatibility issues with not being able to energise ECU with engine off. Awaiting feedback from manufacturer as to how to carry this out.

Investigated previously active fault codes. Tested CAN wiring and found no faults. Check EGR actuator is free to move and not seized - OK. Found when investigating relays that the load hold relay caused the same previous faults as seen stored on the ECU. Replace relay and test system. Codes cleared and retested. Carried out further testing at high engine RPM and tracking machine to add load. Could not fault system (fuel running low so 25ltrs red diesel added). Contacted manufacturer for further advice/info. Attempt a SCR regeneration as advised - unable to carry out even with system override. This is likely due to soot content being low and therefore regen not required.

Agreed with customer to take machine back to site and test. If derate occurs replace load hold relay and see if this rectifies fault as this is the only link that can be found.

Once manufacturer has a solution to enable ECU to be interrogated a further visit to machine should be arranged. .

Customer arranged own HGV transport back to site.

Later attend machine on site. Customer had attempted to swap load hold relay but this made no difference. Investigated errors on the engine ECU. Once again no active errors. Cleared stored codes. Cleaned EGR valve however, unable to carry out a EGR learn due to software incompatibility. Took pic's of stored errors from the Deep Sea Module for reference. Tested machine and working OK now. Await

Continued

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