

December 2024 Series R2 (Road Haulage) Case Study

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Examination Details:

Paper Title:	December 2024 Series R2 (Road Haulage) Case Study
Paper No:	RCS1224S
Date of Examination:	6th December 2024 13:00 – 15:15

Time allowed: 2 hours 15 minutes

You must have:

- This case study
- A question/answer booklet

You may use:

- A calculator
- A dictionary
- Any permitted written materials

Instructions:

- Use the case study information to answer all the questions.
- Write your answer to each question in the space provided in the question/answer booklet. If you need extra space, use the lined page(s) at the end of the question/answer booklet. The question numbers must be clearly shown
- Additional paper may be used if required but you must clearly show your name, date of birth and question number(s).
- Answer all the questions

Information:

- The total mark for this paper is 60
- The marks for each question are shown in brackets () in the question/answer booklet
- This document has 4 pages

Background

Tim Cruickshank

Tim Cruickshank is 63 years old. He has operated as an owner-operator lorry driver since 1999. He holds a Standard National operator licence, issued in the West Midlands Traffic Area, authorising two vehicles and one trailer. Tim is the nominated transport manager.

Tim currently operates one 40,000 Kg GVW articulated combination, one 18,000 Kg GVW rigid lorry and one 3,500 Kg GVW van. The lorries are kept overnight at Tim's only rented operating centre and he uses the van to drive between home and work. The vehicles are all maintained at a local garage.

Tim holds a Transport Manager CPC qualification, awarded in 2013. His Category CE driving entitlement is valid until 2027. His ADR Driver Card, Digital Tachograph Driver Card and Driver Qualification Card were all issued in 2023. His Dangerous Goods Safety Adviser qualification was last renewed in 2022 and he acts as his own DGSA. He has no other qualifications, appointments or licences.

Donald Cruickshank

Donald Cruickshank is Tim's 35-year-old son. He drives for Tim at least three days every week, paid 'cash in hand' with no documentation and no deductions. He also delivers goods for his customers whenever he can. He owns one 3,500 Kg GVW van that he uses to drive between home and work and for deliveries for his customers. The van carries no markings, other than registration plates, and is not fitted with a tachograph.

Donald holds Category CE driving entitlement, valid until 2035. His ADR Driver Card was issued in 2018 and his Digital Tachograph Driver Card was issued in 2023. He has no other qualifications, appointments or licences.

Recent events

Notices received

In recent weeks Tim has received various forms from DVSA enforcement officers. They were forms GV3, PG35EC, PG9, PG9C and PG10.

On one of the forms, the DVSA officer alleged that Tim's vehicle walkaround checks, completed by Tim or Donald, did not comply with the guidance provided in the DVSA Guide to Maintaining Roadworthiness.

Collection of waste packaging

Last week, Donald hired a 7,500 Kg GVW lorry from a local company. He engaged his friend (Eric, who holds a valid C1 licence and a Driver Qualification Card) to drive the vehicle to Donald's customer's site, collect a quantity of waste packaging and deliver the load to a local recycling centre. Donald collected £300 from his customer, in cash, and gave £100 of this money to Eric. No records of the journey were kept.

Donald's recent work

In the last ten days, Donald has completed the following work:

Day	Vehicle(s) driven	Work details
Tuesday 26th November 2024	None	No work undertaken
Wednesday 27 th November 2024	None	No work undertaken
Thursday 28 th November 2024	Tim's articulated combination and the hired 7,500Kg GVW lorry	Delivering regulated dangerous goods for Tim's customer. 6 hours of driving time. Collected the hired lorry and drove it back to the hirer.
Friday 29 th November 2024	Donald's van	Delivering regulated dangerous goods for his own customers. 8 hours of driving time.
Saturday 30 th November 2024	Donald's van	Delivering goods for his own customers. 5 hours of driving time
Sunday 01st December 2024	Donald's van	Delivering goods for his own customers. 6 hours of driving time
Monday 02 nd December 2024	Tim's 18,000Kg GVW lorry	Delivering palletised goods for Tim's customer. 8 hours of driving time.
Tuesday 03 rd December 2024	Tim's 18,000Kg GVW lorry	Delivering palletised goods for Tim's customer. 10 hours of driving time.
Wednesday 04 th December 2024	Tim's articulated combination	Delivering palletised goods for his own customer. 5 hours of driving time.
Thursday 5th December 2024	Donald's van	Delivering goods for his own customers. 9 hours of driving time

Future events

Wholesaler contract

Tim has been offered an invitation to tender for a five-year contract by a local wholesaler, to deliver its goods to its customers, starting in February 2025. The delivery route is to operate Monday to Friday each week, departing the wholesaler's premises each day at 09.30hrs.

The wholesaler insists that all driver breaks are to be taken as late as possible and for the shortest possible time.

The contract would require Tim to buy a new 18,000 Kg GVW lorry, to be based at the wholesaler's owned warehouse (which is also in the West Midlands Traffic Area).

Tim has identified a suitable vehicle to use on this contract and he expects:

- the vehicle to cost £85,000 (including the £3,200 cost of its initial set of tyres)
- the tyres to have a useful life of 40,000 Km
- to sell the vehicle for £35,000 at the end of five years
- average fuel consumption to be 10 Km per litre
- fuel to cost £1.20 per litre
- to enter into a vehicle maintenance contract with a local garage for £9,000 per year.
- annual mileage for the vehicle to be 59,000 Km. The daily delivery route described in the invitation to tender for the contract is set out below:

Delivery Point	Distance	Average speed to delivery point	Unloading (Driver to assist)
At wholesaler: Vehicle walkaround check, paperwork, despatch manager briefing, picking goods and loading (driver to assist) (2 hours)	n/a	n/a	n/a
Customer 1	14km from wholesaler	40 kph	5 minutes
Customer 2	12km from Customer 1	40 kph	5 minutes
Customer 3	74km from Customer 2	60 kph	10 minutes
Customer 4	35km from Customer 3	70 kph	10 minutes
Return to wholesaler	84km from Customer 4	40 kph	n/a

Question/Answer Booklet

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Examination Details:

Paper Title:	December 2024 Series R2 (Road Haulage) Case Study
Paper No:	RCS1224S
Date of Examination:	6th December 2024 13:00 – 15:15

Instructions to the candidate - to be read before the examination.

Time allowed: 2 hours 15 minutes

You must have:

- The case study.
- This question/answer booklet.

You may use:

- A calculator.
- A dictionary.
- Any permitted written materials.

Instructions:

- Use black ink.
- Complete your name below in capital letters and include your date of birth and signature.
- Complete centre name and candidate number.
- Use the case study to answer all the questions.
- Write your answer to each question in the space provided. If you need extra space, use the lined page(s) at the end of this booklet. The question numbers must be clearly shown.
- Additional paper may be used if required but you must clearly show your name, date of birth and question number(s).
- Answer all the questions.
- Do all calculations and rough work on the following pages. Cross out any work you do not wish to have marked.

Information:

- The total mark for this paper is 60.
- The marks for each question are shown in brackets ().
- This document has 11 pages.
- Assessment material has been prepared in line with legislation current at the time of production. Any subsequent changes to legislation have not been taken into account, however, responses that refer to amended legislation will be credited.

To be signed by the candidate:

Candidate name:		Centre name:	
Candidate Date of birth:		Candidate registration number:	
Candidate signature:			

FOR EXAMINERS' USE ONLY	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Total =	

1. The case study describes recent events concerning Tim and Donald Cruickshank.

- (a) Using only the information provided in the case study, describe **FOUR** offences that Tim Cruickshank has committed.

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[4 marks]

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- This image shows a full page of a handwriting practice worksheet. It consists of approximately 20 horizontal rows. Each row is defined by two parallel dotted lines, creating a series of uniform gaps for letter height. The entire page is otherwise blank, with no margins, text, or other markings.

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[9 marks]

- Use the information provided in the case study to prepare a driver schedule for the delivery route. Your schedule must start when the driver begins work at the wholesaler's premises and end when the vehicle arrives back at that point.

Notes: You **MUST** show a start time and finish time for each activity. You **MUST** give a clear description of each activity and the applicable tachograph mode to be selected. You **MUST** show the destination for all driving periods.

[illegible]

[12 marks]

3. Tim is to consider the tender to be submitted for the five-year contract to deliver a wholesaler's goods. He must assess the costs of operating the vehicle to be used.
- (a) Use the information provided in the case study to calculate the **annual** depreciation cost of the proposed new 18,000 Kg GVW lorry.

Note: You MUST show all your workings.

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[3 marks]

- (b) Use the information provided in the case study to calculate the cost of tyres **per Kilometre** for the proposed new 18,000 Kg GVW lorry.

Note: You MUST show all your workings, to the nearest 1p.

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[3 marks]

- (c) Use the information provided in the case study to calculate the cost of fuel **per Kilometre** for the proposed new 18,000 Kg GVW lorry.

Note: You MUST show all your workings, to the nearest 1p.

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[3 marks]

- (d) Use the information provided in the case study to calculate the cost of maintenance **per Kilometre** for the proposed new 18,000 Kg GVW lorry.

Note: You MUST show all your workings, to the nearest 1p.

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[3 marks]

4. Tim is to consider the tender to be submitted for the five-year contract to deliver a wholesaler's goods. He must assess the operator licence implications of operating this proposed contract.

Outline **TEN** actions that Tim must take to ensure that the proposed operations from the wholesaler's premises are authorised by an operator licence.

Note: You are **NOT** required to provide form numbers in your answer.

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[10 marks]

5. Tim has received various forms from DVSA enforcement officers in recent weeks.
Outline the purpose of each of the forms listed below.

GV3

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[1 mark]

PG35EC

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[1 mark]

PG9

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[1 mark]

PG9C

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[1 mark]

PG10

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[1 mark]

6. A DVSA officer has alleged that Tim's vehicle walkaround checks, completed by Tim or Donald, did not comply with the guidance provided in the DVSA Guide to Maintaining Roadworthiness.

Following the content of the DVSA Guide to Maintaining Roadworthiness

- (a) Outline the purpose of vehicle walkaround checks.

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[1 mark]

- (b) Outline when drivers may be fined or prosecuted for the existence of defects found on the vehicles they drive.

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[1 mark]

- (c) State **TWO** people who should be asked to complete vehicle walkaround checks.

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[2 marks]

- (d) Give **TWO** occasions when a vehicle walkaround check should be completed.

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[2 marks]

- (e) Give the maximum interval between vehicle walkaround checks for a vehicle in regular use.

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[1 mark]

- (f) Give the minimum time period that Tom must retain written evidence of any defects found during his vehicle walkaround checks

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[1 mark]

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

[illegible]

[illegible]