

ENGINEER EQUIPMENT MECHANIC NCO

Concept Card Report

ANNEX I - EXAMS

LESSON ID: NCOM - C01X(P)

HOURS: 8.00

TYPE: Exam

CATEGORY: Training

TITLE: Engines

PHASE:

GROUP

METHOD	HOURS	S:I RATIO
X(P)	8.00	25 : 2

MEDIA: AIO, CPU, HO, MU, PEC, TM

TERMINAL LEARNING OBJECTIVE(S)

- 1 . Provided a service request, malfunctioning intake/exhaust system, appropriate tools, and references. Conduct advanced repair to equipment intake/exhaust system To restore proper equipment function. (1341-MANT-2003)
- 2 . Provided a service request, malfunctioning fuel system, appropriate tools, and references. Conduct advanced repair to equipment fuel system To restore system to proper function. (1341-MANT-2004)
- 3 . Provided a service request, malfunctioning coolant system, appropriate tools/test equipment, and references. Conduct advanced repair of coolant system To restore system to proper function. (1341-MANT-2005)

ENABLING LEARNING OBJECTIVE(S)

- 1 . With a caterpillar C6.6 engine, tools, TMDE, and references, disassemble the intake/exhaust system per the RENR9722-01 and SENR9968-02. (1341-MANT-2003b)
- 2 . With a caterpillar C6.6 engine, tools, TMDE, and references, disassemble the cooling system per the RENR9722-01 and SENR9968-02. (1341-MANT-2005b)



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- 3 . With a caterpillar C6.6 engine, tools, TMDE, and references, disassemble the fuel system per the RENR9722-01 and SENR9968-02. (1341-MANT-2004b)
- 4 . With a caterpillar C6.6 engine, tools, and references, disassemble the engine per the RENR9722-01 and SENR9968-02. (1341-MANT-2006b)
- 5 . With a disassembled caterpillar C6.6 engine, tools, TMDE, and references, assemble the engine per the RENR9722-01 and SENR9968-02. (1341-MANT-2006c)
- 6 . With a caterpillar C6.6 engine, tools, TMDE, and references, assemble the fuel system per the RENR9722-01 and SENR9968-02. (1341-MANT-2004c)
- 7 . With a caterpillar C6.6 engine, tools, TMDE, and references, assemble the cooling system per the RENR9722-01 and SENR9968-02. (1341-MANT-2005c)
- 8 . With a caterpillar C6.6 engine, tools, TMDE, and references, assemble the intake/exhaust system per the RENR9722-01 and SENR9968-02. (1341-MANT-2003c)
- 9 . With an assembled caterpillar C6.6 engine, tools, TMDE, and references, test the engine per RENR9722-01 and SENR9968-02. (1341-MANT-2006d)

NOTE(S):

REFERENCE - TITLE

PUBLICATION ID

CHAPTER/PAGE



Date: 20140421

**ENGINEER EQUIPMENT MECHANIC NCO**

**Concept Card Report**

**ANNEX I - EXAMS**

**LESSON ID:** NCOM - C01X(P)

**HOURS:** 8.00

**TYPE:** Exam

**CATEGORY:** Training

**TITLE:** Engines

**PHASE:**

**GROUP**

Disassembly and Assembly Caterpillar C6.6 Industrial Engine      RENR9722-01

Systems Operation Testing and Adjusting Caterpillar C6.6 Industrial Engine      SENR9968-02



**ENGINEER EQUIPMENT MECHANIC NCO**

**Concept Card Report**

**ANNEX I - EXAMS**

**LESSON ID:** NCOM - C01X(W)

**HOURS:** 1.00

**TYPE:** Exam

**CATEGORY:** Training

**TITLE:** Engines Examination

**PHASE:**

**GROUP**

<b>METHOD</b>	<b>HOURS</b>	<b>S:I RATIO</b>
X(W)	1.00	25 : 1

**MEDIA:** TSTBK

**TERMINAL LEARNING OBJECTIVE(S)**

- 1 . Provided a service request, malfunctioning intake/exhaust system, appropriate tools, and references. Conduct advanced repair to equipment intake/exhaust system To restore proper equipment function. (1341-MANT-2003)
- 2 . Provided a service request, malfunctioning fuel system, appropriate tools, and references. Conduct advanced repair to equipment fuel system To restore system to proper function. (1341-MANT-2004)
- 3 . Provided a service request, malfunctioning coolant system, appropriate tools/test equipment, and references. Conduct advanced repair of coolant system To restore system to proper function. (1341-MANT-2005)
- 4 . Provided a service request, a malfunctioning diesel engine, appropriate tools and equipment, and the references. Repair a diesel engine To restore engine to proper function. (1341-MANT-2006)

**ENABLING LEARNING OBJECTIVE(S)**

- 1 . Without the aid of reference, identify the characteristics of a diesel engine per the FOS3007NC. (1341-MANT-2006a)



**ENGINEER EQUIPMENT MECHANIC NCO**

**Concept Card Report**

**ANNEX I - EXAMS**

**LESSON ID:** NCOM - C01X(W)

**HOURS:** 1.00

**TYPE:** Exam

**CATEGORY:** Training

**TITLE:** Engines Examination

**PHASE:**

**GROUP**

2. Without the aid of reference, identify the characteristics of an intake/exhaust system per the FOS3007NC. (1341-MANT-2003a)
3. Without the aid of reference, identify the characteristics of a fuel system per the FOS3007NC. (1341-MANT-2004a)
4. Without the aid of reference, identify the characteristics of a cooling system per the FOS3007NC. (1341-MANT-2005a)

**NOTE(S):**

**REFERENCE - TITLE**

Engines

**PUBLICATION ID**

FOS3007NC

**CHAPTER/PAGE**



ENGINEER EQUIPMENT MECHANIC NCO  
Concept Card Report

ANNEX B - ELECTRICAL

LESSON ID: NCOM - C01

HOURS: 77.00

TYPE: Task Oriented

CATEGORY: Training

TITLE: Diesel Engines

PHASE:

GROUP

METHOD	HOURS	S:I RATIO
D	3.00	25 : 1
L	13.00	25 : 1
PA	58.00	25 : 2
Q	3.00	25 : 1

MEDIA: AIO, CPU, DB, HO, PPT, TM

TERMINAL LEARNING OBJECTIVE(S)

- 1 . Provided a service request, malfunctioning intake/exhaust system, appropriate tools, and references. Conduct advanced repair to equipment intake/exhaust system To restore proper equipment function. (1341-MANT-2003)
- 2 . Provided a service request, malfunctioning fuel system, appropriate tools, and references. Conduct advanced repair to equipment fuel system To restore system to proper function. (1341-MANT-2004)
- 3 . Provided a service request, malfunctioning coolant system, appropriate tools/test equipment, and references. Conduct advanced repair of coolant system To restore system to proper function. (1341-MANT-2005)
- 4 . Provided a service request, a malfunctioning diesel engine, appropriate tools and equipment, and the references. Repair a diesel engine To restore engine to proper function. (1341-MANT-2006)



**ENGINEER EQUIPMENT MECHANIC NCO**

**Concept Card Report**

**ANNEX B - ELECTRICAL**

**LESSON ID:** NCOM - C01

**HOURS:** 77.00

**TYPE:** Task Oriented

**CATEGORY:** Training

**TITLE:** Diesel Engines

**PHASE:**

**GROUP**

**ENABLING LEARNING OBJECTIVE(S)**

1. Without the aid of reference, identify the characteristics of a diesel engine per the FOS3007NC. (1341-MANT-2006a)
2. Without the aid of reference, identify the characteristics of an intake/exhaust system per the FOS3007NC. (1341-MANT-2003a)
3. Without the aid of reference, identify the characteristics of a fuel system per the FOS3007NC. (1341-MANT-2004a)
4. Without the aid of reference, identify the characteristics of a cooling system per the FOS3007NC. (1341-MANT-2005a)
5. With a caterpillar C6.6 engine, tools, TMDE, and references, disassemble the intake/exhaust system per the RENR9722-01 and SENR9968-02. (1341-MANT-2003b)
6. With a caterpillar C6.6 engine, tools, TMDE, and references, disassemble the cooling system per the RENR9722-01 and SENR9968-02. (1341-MANT-2005b)
7. With a caterpillar C6.6 engine, tools, TMDE, and references, disassemble the fuel system per the RENR9722-01 and SENR9968-02. (1341-MANT-2004b)
8. With a caterpillar C6.6 engine, tools, and references, disassemble the engine per the RENR9722-01 and SENR9968-02. (1341-MANT-2006b)
9. With a disassembled caterpillar C6.6 engine, tools, TMDE, and references, assemble the engine per the



ENGINEER EQUIPMENT MECHANIC NCO

Concept Card Report

ANNEX B - ELECTRICAL

LESSON ID: NCOM - C01

HOURS: 77.00

TYPE: Task Oriented

CATEGORY: Training

TITLE: Diesel Engines

PHASE:

GROUP

REN9722-01 and SENR9968-02. (1341-MANT-2006c)

10 . With a caterpillar C6.6 engine, tools, TMDE, and references, assemble the fuel system per the REN9722-01 and SENR9968-02. (1341-MANT-2004c)

11 . With a caterpillar C6.6 engine, tools, TMDE, and references, assemble the cooling system per the REN9722-01 and SENR9968-02. (1341-MANT-2005c)

12 . With a caterpillar C6.6 engine, tools, TMDE, and references, assemble the intake/exhaust system per the REN9722-01 and SENR9968-02. (1341-MANT-2003c)

13 . With an assembled caterpillar C6.6 engine, tools, TMDE, and references, test the engine per REN9722-01 and SENR9968-02. (1341-MANT-2006d)

NOTE(S):

REFERENCE - TITLE

PUBLICATION ID

CHAPTER/PAGE

Disassembly and Assembly Caterpillar C6.6 Industrial Engine

REN9722-01

Engines

FOS3007NC

Systems Operation Testing and Adjusting Caterpillar C6.6 Industrial Engine

SENR9968-02

