

ENGINEER EQUIPMENT OPERATOR
Concept Card Report

ANNEX B - Equipment Operations

LESSON ID: BEEO-B04

HOURS: 35.00

TYPE: Task Oriented

CATEGORY: Training

TITLE: Operate the 420E Backhoe Loader

METHOD	HOURS	S:I RATIO
D	2.00	12 : 2
L	2.50	12 : 1
PA	30.50	12 : 3

MEDIA: AIO, DB, HO, PPT, TM

TERMINAL LEARNING OBJECTIVE(S)

- 1 . Provided engineer equipment, tools, equipment records and references. Conduct engineer equipment preventive maintenance To prevent early breakdown or failure of equipment. (1345-MANT-1001)
- 2 . Provided an engineer equipment requirement, engineer equipment records and forms and references. Operate the 420E IT backhoe To safely meet operational requirements with no injury to personnel or damage to the equipment. (1345-HEOP-1004)

ENABLING LEARNING OBJECTIVE(S)

- 1 . Given the description and characteristics of the 420E IT Backhoe Loader, and without the aid of references, identify the characteristics per the TM 10996A-OR/A. (1345-HEOP-1004a)
- 2 . Provided a 420E IT Backhoe Loader, engineer equipment records and forms, tools, petroleum, oils, and lubricants, and with the aid of references, perform operation checks (before, during, and after) per the TM 10996A-OR/A. (1345-HEOP-1004b)
- 3 . Provided a 420E IT Backhoe Loader, an operator, and without the aid of reference, perform hand and arm signals per the FM 21-60. (1345-HEOP-1004c)



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TITLE: Operate the 420E Backhoe Loader

- 4 . Provided a 420E Backhoe Loader, engineer equipment records and forms, and references, perform front end Loader operations per the TM 10996A-OR/A. (1345-HEOP-1004d)
- 5 . Provided a 420E IT Backhoe Loader, engineer equipment records and forms, and references, perform ditching/trenching operations per the TM 10996A-OR/A. (1345-HEOP-1004e)
- 6 . Provided a 420E IT Backhoe Loader, an engineer equipment trailer (EET), engineer equipment records and forms, and with the aid of references, load/unload the 420E IT Backhoe Loader onto/off the (EET) per the TM 10996A-OR/A. (1345-HEOP-1004f)
- 7 . Provided a 420E IT Backhoe Loader, attachments, tools, engineer equipment records and forms, and references, change attachments per the TM 10996A-OR/A. (1345-HEOP-1004g)
- 8 . Provided a 420E IT Backhoe Loader, tools, petroleum, oils, and lubricants, equipment records, and references, conduct preventive maintenance per the TM 10996A-OR/A. (1345-MANT-1001i)

NOTE(S):

<u>REFERENCE - TITLE</u>	<u>PUBLICATION ID</u>	<u>CHAPTER/PAGE</u>
Backhoe Loader Caterpillar Model 420E IT	TM 10996A-OR/A	
Basic Operators Bag	SL-3-11825A	
Ground Equipment Record Procedures	TM 4700-15/1_	
Use and Care of Hand Tools and Measuring Tools	TM 10209-10/1_	
Visual Signals	FM 21-60	

