

ENGINEER EQUIPMENT MECHANIC NCO
Concept Card Report

ANNEX D - HYDRAULICS

LESSON ID: NCOM - D01

HOURS: 51.50

TYPE: Task Oriented

CATEGORY: Training

TITLE: Hydraulics

PHASE:

GROUP

METHOD	HOURS	S:I RATIO
D	6.00	25 : 1
L	11.50	25 : 1
PA	33.00	25 : 2
Q	1.00	25 : 1

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

TERMINAL LEARNING OBJECTIVE(S)

- 1 . Provided a service request, malfunctioning hydraulic system, appropriate tools, and references. Conduct advanced repair to equipment hydraulic system To restore system to proper function. (1341-MANT-2007)

ENABLING LEARNING OBJECTIVE(S)

- 1 . Without the aid of references, identify the characteristics of a hydraulic system per the FOS-1006NC. (1341-MANT-2007a)
- 2 . Provided a hydraulic shop (HHR), and the references, fabricate hydraulic hose/tubing per the TM 12059A-OI/7, TM 12059A-OI/5 and TM 12059A-OI/12. (1341-MANT-2007b)
- 3 . Provided engineer equipment, tools, and references, repair hydraulic components per the appropriate technical manuals. (1341-MANT-2007c)
- 4 . Provided references, hydraulic schematics, and hydraulic training boards, trace the oil flow through a



ENGINEER EQUIPMENT MECHANIC NCO

Concept Card Report

ANNEX D - HYDRAULICS

LESSON ID: NCOM - D01

HOURS: 51.50

TYPE: Task Oriented

CATEGORY: Training

TITLE: Hydraulics

PHASE:

GROUP

hydraulic system per the FOS-1006NC, and the vickers board instruction manual. (1341-MANT-2007d)

NOTE(S):

REFERENCE - TITLE

PUBLICATION ID

CHAPTER/PAGE

Appropriate Equipment Manual

Appropriate Technical Manuals

Backhoe Loader, Caterpillar Model 420E IT

TM 10996B-OI/1

CC30 Hydraulic Crimper Operators Manual

TM 12059A-OI/5

Ground Equipment Record Procedures

TM 4700-15/1_

John Deere Hydraulics

FOS-1006NC

Parker Exactol 400 Series Tube Benders

TM 12059A-OI/7

Parker Hydra-Tool Hydraulic Flaring and
Presetting Tool

TM 12059A-OI/12

Vickers board instruction manual

FPT-2 second edition



ENGINEER EQUIPMENT MECHANIC NCO

Concept Card Report

ANNEX I - EXAMS

LESSON ID: NCOM - D01X(P)

HOURS: 8.00

TYPE: Task Oriented

CATEGORY: Training

TITLE: Hydraulics

PHASE:

GROUP

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

MEDIA: AIO, HO, PEC, SCH, TM

TERMINAL LEARNING OBJECTIVE(S)

- 1 . Provided a service request, malfunctioning hydraulic system, appropriate tools, and references. Conduct advanced repair to equipment hydraulic system To restore system to proper function. (1341-MANT-2007)

ENABLING LEARNING OBJECTIVE(S)

- 1 . Provided a hydraulic shop (HHR), and the references, fabricate hydraulic hose/tubing per the TM 12059A-OI/7, TM 12059A-OI/5 and TM 12059A-OI/12. (1341-MANT-2007b)
- 2 . Provided engineer equipment, tools, and references, repair hydraulic components per the appropriate technical manuals. (1341-MANT-2007c)
- 3 . Provided references, hydraulic schematics, and hydraulic training boards, trace the oil flow through a hydraulic system per the FOS-1006NC, and the vickers board instruction manual. (1341-MANT-2007d)

NOTE(S):

REFERENCE - TITLE

PUBLICATION ID

CHAPTER/PAGE



Date: 20140506

ENGINEER EQUIPMENT MECHANIC NCO

Concept Card Report

ANNEX I - EXAMS

LESSON ID: NCOM - D01X(P)

HOURS: 8.00

TYPE: Task Oriented

CATEGORY: Training

TITLE: Hydraulics

PHASE:

GROUP

Appropriate Technical Manuals

Backhoe Loader, Caterpillar Model 420E IT TM 10996B-OI/1

CC30 Hydraulic Crimper Operators Manual TM 12059A-OI/5

John Deere Hydraulics FOS-1006NC

Parker Exactol 400 Series Tube Benders TM 12059A-OI/7

Parker Hydra-Tool Hydraulic Flaring and
Presetting Tool TM 12059A-OI/12

Vickers board instruction manual FPT-2 second edition



ENGINEER EQUIPMENT MECHANIC NCO

Concept Card Report

ANNEX I - EXAMS

LESSON ID: NCOM - D01X(W)

HOURS: 1.00

TYPE: Exam

CATEGORY: Training

TITLE: Hydraulics

PHASE:

GROUP

METHOD	HOURS	S:I RATIO
X(W)	1.00	25 : 1

MEDIA: TSTBK

TERMINAL LEARNING OBJECTIVE(S)

- 1 . Provided a service request, malfunctioning hydraulic system, appropriate tools, and references. Conduct advanced repair to equipment hydraulic system To restore system to proper function. (1341-MANT-2007)

ENABLING LEARNING OBJECTIVE(S)

- 1 . Without the aid of references, identify the characteristics of a hydraulic system per the FOS-1006NC. (1341-MANT-2007a)

NOTE(S):

REFERENCE - TITLE

John Deere Hydraulics

PUBLICATION ID

FOS-1006NC

CHAPTER/PAGE

