

Review

Leçon 2.2.1	Title:	The engines (make, modèles et spécifications).
Competency element:		Learn about the engine's capabilities.

Multiple choice question.

Sheet to be completed - 1

Leçon: 2.2.1

QUESTION:

On this Cummins engine data sheet, identify the power advertised "Advert." in HP.



ANSWER CHOICE: Only one possible answer **X**
Several possible answers

A) 1150 HP

B) 1950 HP

C) 505 HP

X

D) 2000 HP

Refer to if wrong answer:

Student Notebook 2.2.1.

Multiple choice question.

Sheet to be completed - 2

Leçon: 2.2.1

QUESTION:

On this Cummins engine data sheet, identify the torque in lb/ft "FT-LB".



ANSWER CHOICE: Only one possible answer **X**
Several possible answers

A) 1850

X

B) 1950

C) 2000

D) 505

Refer to if wrong answer:

Student Notebook 2.2.1.

Multiple choice question.

Sheet to be completed - 3

Leçon: 2.2.1

QUESTION:

Identify the sources of information that make it possible to find manufacturers' specifications.

ANSWER CHOICE: Only one possible answer **X**
Several possible answers

A) The mechanic

B) Manufacturers' websites

C) Operator's manual

D) All of the above

X

Refer to if wrong answer:

Student Notebook 2.2.1

Multiple choice question.

Sheet to be completed - 4

Leçon: 2.2.1

QUESTION:

Combine this brand of engine, with truck manufacturers who offer it as an option.



ANSWER CHOICE: Only one answer possible
Several possible answers **X**

A) Freightliner

X

B) Mack

X

C) Volvo

X

D) International

X

Refer to if wrong answer:

Lesson 2.2.1 from the student's workbook.

Multiple choice question.

Sheet to be completed - 5

Leçon: 2.2.1

QUESTION: Which of the following is not a diesel engine?	
CHOIX DE RÉPONSE: Une seule réponse possible X Plusieurs réponses possibles	
A) Paccar, MX-13	
B) Mack, MP8	
C) Spicer, N14	X
D) International, A-26	
Refer to if wrong answer: Lesson 2.2.1 from the student's workbook. Spicer, N14 is not an engine manufacturer.	

Multiple choice question.

Sheet to be completed - 6

Leçon: 2.2.1

QUESTION:

According to this engine plate, what is the engine's maximum HP and at what engine speed (RPM) is it achieved?

VOLVO						IMPORTANT ENGINE INFORMATION		VALVE LASH (JEU SOUPAPES)	
VOLVO POWERTRAIN CORPORATION						RENSEIGNEMENTS IMPORTANTS MOTEUR			
ENGINE FAMILY: AVPTH12.8S01		ENGINE MODEL: D13H500		SERIAL NO.: 123456		INLET ROCKER .2 mm		ADMISSION CULBUTEUR	
FAMILLE DE MOTEURS:		MODELE MOTEUR:		NO. SERIE:		EXHAUST ROCKER 1.0 mm		ECHAPPEMENT CULBUTEUR	
DISPLACEMENT	ADVERTISED HP @ RPM	FUEL RATE @	ADVERTISED HP	IDLE SPEED	ENGINE BRAKE				
CYLINDREE	PUISS. SPEC. @ TOURS / MIN.	DEBIT DE CARB. @	PUISS. SPEC.	RALENTI	FREIN MOTEUR				
12.8 L	500/1700	308	mm ³ /STROKE	550-700 RPM	I-VEB				
			mm ³ /COUP						
THIS ENGINE CONFORMS TO U.S EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 2010 MODEL YEAR NEW HEAVY-DUTY ENGINES AND HAS A PRIMARY INTENDED SERVICE APPLICATION AS A HEAVY HEAVY-DUTY DIESEL ENGINE.						NOx FEL			
Ce moteur est conforme aux réglementations de Californie et de l'Agence de Protection de l' Environnement des États-Unis applicables aux nouveaux moteurs diesel Heavy duty (Gamme lourde) modèle 2010. La principale application s'adresse aux usages de type gamme lourde (Heavy-heavy-duty).						NOx FNE (g/Bhp-hr)			
EXHAUST EMISSION CONTROL SYSTEM						NMHC+NOx FEL			
DISPOSITIF ANTI-POLLUTION						NMHC+NOx FNE (g/Bhp-hr)			
EM, EC, TC, CAC, DI, EGR, DPF, SCR						PARTICULATE FEL 0.00			
THIS ENGINE IS CERTIFIED TO OPERATE ON ULTRA LOW SULFUR DIESEL FUEL ONLY.						PARTICULAIRE FNE (g/Bhp-hr)			
DELEGATED ASSEMBLY						LABEL NO 21338527			

ANSWER CHOICE: Only one possible answer **X**
Several possible answers

A) 308 HP à 1350 tr/min

B) 550 HP à 700 tr/min

C) 500 HP à 1700 tr/min

X

D) 500 HP à 1400 tr/min

Refer to if wrong answer:

Lesson 2.2.1 from the student's workbook.
500 HP at 1700 rpm

Question - True or False

Sheet to be completed - 7

Leçon: 2.2.2

QUESTION:

The DD16 Detroit Diesel engine is a very popular engine, mainly due to its high fuel economy?

ANSWER CHOICES:

TRUE

FALSE

X

Refer if wrong answer:

Lesson 2.2.1 from the student's workbook.

The DD16 is mainly for its power and it is less economical