

**ÉVALUATION SPÉCIFIQUE POUR L'ATTRIBUTION
DE LA MENTION « SECTION EUROPÉENNE »**

**Baccalauréat professionnel
Maintenance Nautique**

Session 2023

Épreuve orale

Durée de l'épreuve A et B : 20 minutes

Préparation : 20 minutes

A. Première partie : durée 10 mn, préparation : 20 mn

**SUJET N°1
Document candidat**

« GRAND PAVOIS » BOAT FAIR 2023



Travail à faire par le candidat.

Role play :

You have been asked by your school to take part in the boat fair "Grand Pavois" 2023 in La Rochelle. You are going to run a booth for the school and are in charge of answering the questions English-speaking clients may ask you.

You are expected to :

- ✓ Explain the different steps of a wintering.
- ✓ Explain how an outboard and inboard jet works.
- ✓ Compare a two-stroke with a four-stroke engine and explain the advantages and inconvenients of each.

Enclosure(s) :

Document 1 : General and preventative boat maintenance

Document 2 : Differences between outboard and inboat jets

Document 3 : Differences between a two-stroke and a four-stroke engine

Baccalauréat Professionnel Maintenance Nautique	Session 2023		SUJET n° 1
Évaluation spécifique pour l'attribution de la mention « Section européenne » - Première partie	Préparation : 20 mn	Durée : 10 mn	Page 1/4

DOCUMENT 1 : General and preventative boat maintenance

Here are some more general boat maintenance guidelines :



- Make sure to store your boat in a dry place that is out of direct sunlight.
- Check any fittings that go through your hull - like the engine-cooling intakes.
- Keep the decks and the hull of your boat cleaned and waxed. A leak or opening could head to the boat sinking.
- Make sure to regularly clean and grease electrical connections.

Doing some regular preventative maintenance will help to extend your boat's life. The following steps are recommended to make sure your boat is ready for action :

- 1) Change the engine oil at least once every season. Refer to your engine owner's booklet for the manufacturer's oil change recommendations.
- 2) Look for corrosion and oxidation and take preventative measures before a serious problem occurs.
- 3) Check and service your transmission according to the manufacturer's recommendations.
- 4) Before every travel, take a minute to inspect all belts and hoses; replace any that are torn or show signs of excessive wear. Inspect all fluid levels, oil levels, and the condition of your battery.

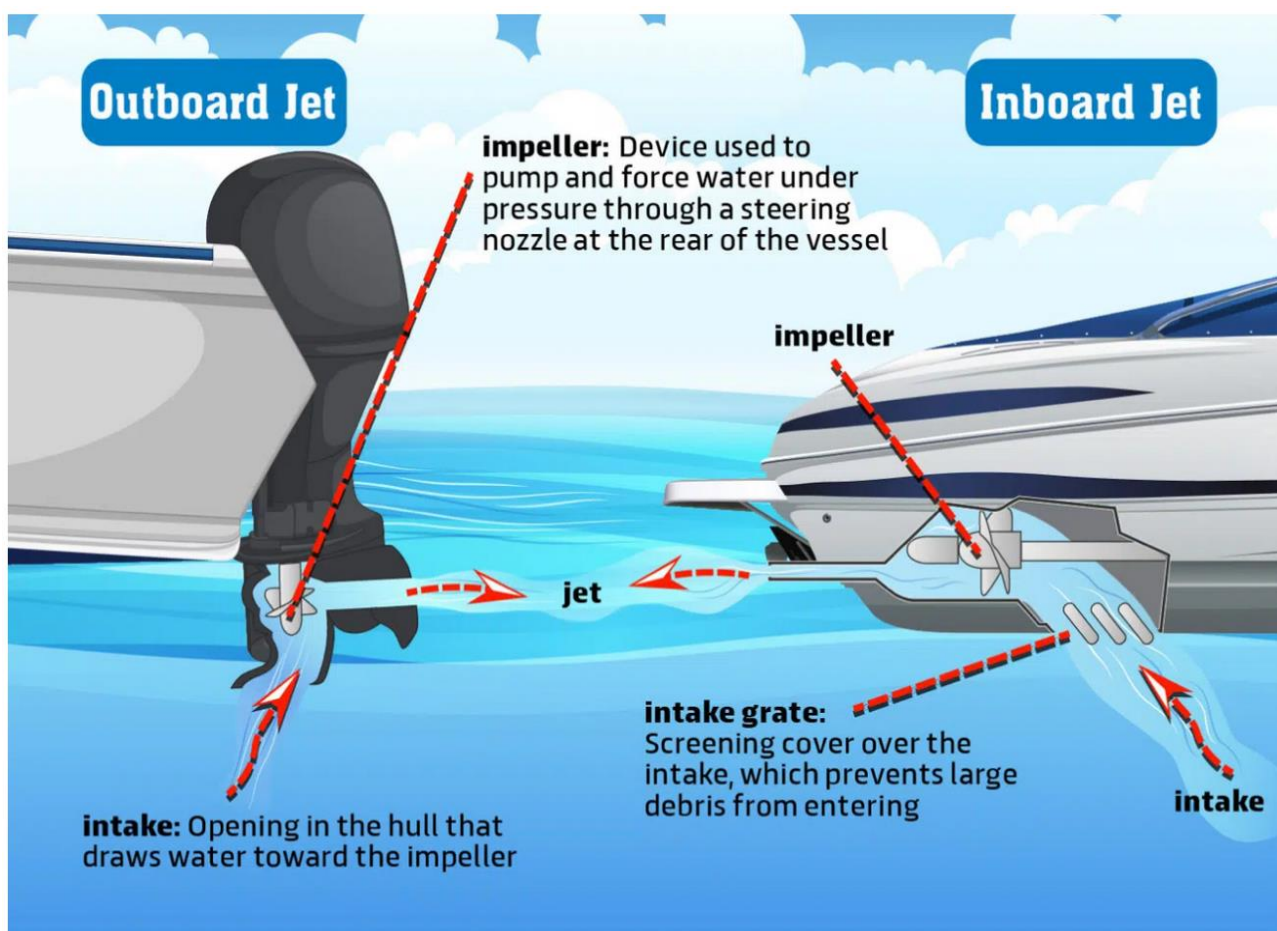
Baccalauréat Professionnel Maintenance Nautique	Session 2023		SUJET n° 1
Évaluation spécifique pour l'attribution de la mention « Section européenne » - Première partie	Préparation : 20 mn	Durée : 10 mn	Page 2/4

DOCUMENT 2 : Differences between outboard and inboard jets
(<https://boaterpal.com/what-is-a-jet-boat/>)

Use the documents below to explain how an outboard and inboard jet works.

A jet boat works off of a thrust where it forces water in a rearward direction, creating a reaction by generating a propulsive thrust.

Generally, jet boats are smaller in size than propeller boats as jets are not efficient enough to power large vessels.

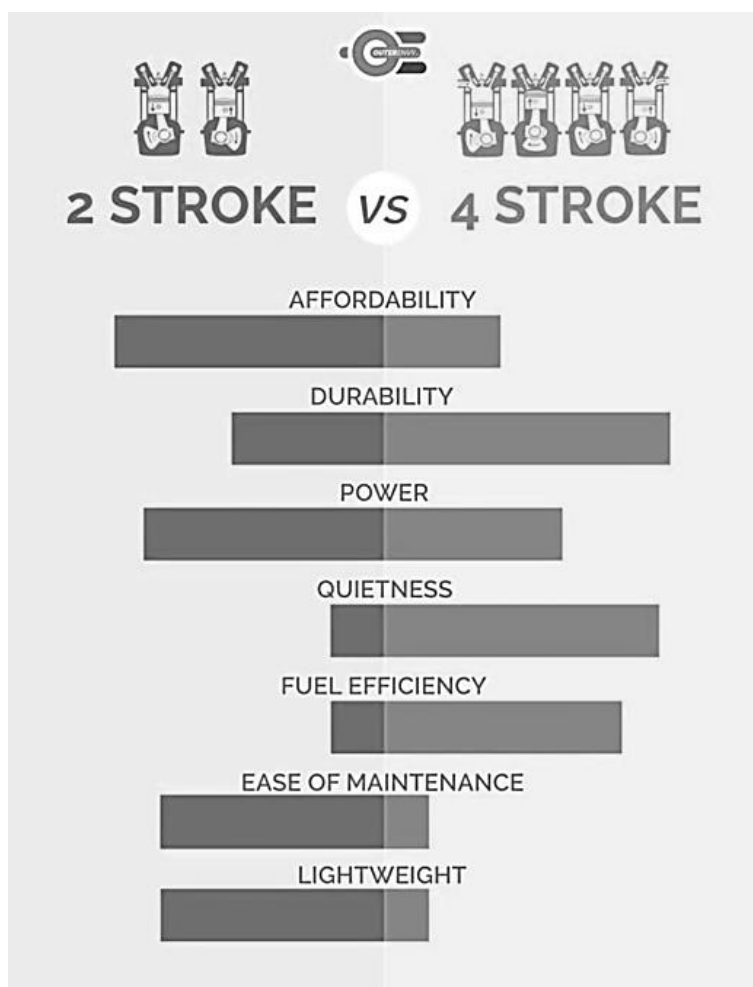


Baccalauréat Professionnel Maintenance Nautique	Session 2023		SUJET n° 1
Évaluation spécifique pour l'attribution de la mention « Section européenne » - Première partie	Préparation : 20 mn	Durée : 10 mn	Page 3/4

DOCUMENT 3 : Differences between a two-stroke and a four-stroke engine
(<https://www.outervy.com/2-stroke-vs-4-stroke-outboard-motors/>)

A two-stroke engine is a type of internal combustion engine which completes a power cycle with two strokes (up and down movements) of the piston during only one crankshaft revolution.

A four-stroke engine requires four strokes of the piston (Intake, Compression, Combustion, Exhaust) to complete a power cycle during two crankshaft revolutions.



Baccalauréat Professionnel Maintenance Nautique	Session 2023		SUJET n° 1
Évaluation spécifique pour l'attribution de la mention « Section européenne » - Première partie	Préparation : 20 mn	Durée : 10 mn	Page 4/4