



Marine Vessel Air Emissions

SURVEY- TO BE COMPLETED PRIOR TO LEAVING CANADA

Arrival Date at First Canadian Pilot Station	Vessel Name	IMO Number	Main Engine Upgrade <input type="checkbox"/> Yes <input type="checkbox"/> No	Engine Upgrade Year
<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>

MAIN ENGINE(s)

Manufacturer	Model Number	Number of Engines
<input type="text"/>	<input type="text"/>	<input type="text"/>
Power of Each Engine (brake power) NCR	<input type="text"/>	Units <input type="checkbox"/> kW <input type="checkbox"/> hp

Underway

Number of Engines Used	<input type="text"/>
Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>
Fuel Sulphur Content (%)	<input type="text"/>

If you switch or plan to switch fuels in your main engines while in waters under Canadian jurisdiction, please complete the following table:

Date and Time	Fuel Switched to	Sulphur Content (%)
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>



SURVEY

AUXILIARY ENGINES 1

Manufacturer	Model Number	Number of Engines
<input type="text"/>	<input type="text"/>	<input type="text"/>
Power of Each Engine (brake power) NCR	<input type="text"/>	Units <input type="checkbox"/> kW <input type="checkbox"/> hp

Underway

Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>	Fuel Sulphur Content (%)	<input type="text"/>
Average Load Factor (% of maximum power)	<input type="text"/>		
Fuel Consumption Per Hour at Average Load Factor	<input type="text"/>		
	At Anchor	At Berth	
Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>	<input type="text"/>	
Fuel Sulphur Content (%)	<input type="text"/>	<input type="text"/>	
Average Load Factor (% of maximum power)	<input type="text"/>	<input type="text"/>	
Number of Hours Used in Canada	<input type="text"/>	<input type="text"/>	
Fuel Consumption Per Hour at Average Load Factor	<input type="text"/>	<input type="text"/>	

AUXILIARY ENGINES 2

Manufacturer	Model Number	Number of Engines
<input type="text"/>	<input type="text"/>	<input type="text"/>
Power of Each Engine (brake power) NCR	<input type="text"/>	Units <input type="checkbox"/> kW <input type="checkbox"/> hp

Underway

Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>	Fuel Sulphur Content (%)	<input type="text"/>
Average Load Factor (% of maximum power)	<input type="text"/>		
Fuel Consumption Per Hour at Average Load Factor	<input type="text"/>		
	At Anchor	At Berth	
Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>	<input type="text"/>	
Fuel Sulphur Content (%)	<input type="text"/>	<input type="text"/>	
Average Load Factor (% of maximum power)	<input type="text"/>	<input type="text"/>	
Number of Hours Used in Canada	<input type="text"/>	<input type="text"/>	
Fuel Consumption Per Hour at Average Load Factor	<input type="text"/>	<input type="text"/>	



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AUXILIARY ENGINES 3

Manufacturer	Model Number	Number of Engines
<input type="text"/>	<input type="text"/>	<input type="text"/>
Power of Each Engine (brake power) NCR	<input type="text"/>	Units <input type="checkbox"/> kW <input type="checkbox"/> hp

Underway

Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>	Fuel Sulphur Content (%)	<input type="text"/>
Average Load Factor (% of maximum power)	<input type="text"/>		
Fuel Consumption Per Hour at Average Load Factor	<input type="text"/>		
	At Anchor	At Berth	
Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>	<input type="text"/>	
Fuel Sulphur Content (%)	<input type="text"/>	<input type="text"/>	
Average Load Factor (% of maximum power)	<input type="text"/>	<input type="text"/>	
Number of Hours Used in Canada	<input type="text"/>	<input type="text"/>	
Fuel Consumption Per Hour at Average Load Factor	<input type="text"/>	<input type="text"/>	

BOILER 1

Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>
Fuel Sulphur Content (%)	<input type="text"/>

Underway

Number of Hours Used in Canada	<input type="text"/>	
Fuel Consumption Per Hour	<input type="text"/>	
	At Anchor	At Berth
Number of Hours Used in Canada	<input type="text"/>	<input type="text"/>
Fuel Consumption Per Hour	<input type="text"/>	<input type="text"/>



SURVEY

BOILER 2

Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>
Fuel Sulphur Content (%)	<input type="text"/>

Underway

Number of Hours Used in Canada	<input type="text"/>
Fuel Consumption Per Hour	<input type="text"/>

	At Anchor	At Berth
Number of Hours Used in Canada	<input type="text"/>	<input type="text"/>
Fuel Consumption Per Hour	<input type="text"/>	<input type="text"/>

BOILER 3

Fuel Type (IFO, HFO, DFO, MGO)	<input type="text"/>
Fuel Sulphur Content (%)	<input type="text"/>

Underway

Number of Hours Used in Canada	<input type="text"/>
Fuel Consumption Per Hour	<input type="text"/>

	At Anchor	At Berth
Number of Hours Used in Canada	<input type="text"/>	<input type="text"/>
Fuel Consumption Per Hour	<input type="text"/>	<input type="text"/>

NOTES