

Comparison Thailand

The boat is about 45 ft long

This is a model of two boats. One is a outboard powered boat with 2 Yanmar outboard engines 250 hp/each

The second is a Levi Drive surface Drive boat with two Models LD 240-250 and two diesel engines about 250hp and a ZF 63A gearbox.

Yamaha 250 4 stroke 4.2 L - 254 cid 89.9 l/h

1 \$ US

31.36 Baht

Price/liter diesel

30 Baht/liter

Price/liter petrol

30 Baht/liter

Running Cost Comparison between Diesel inboard and Petrol outboard powered Commercial Vessels

1. Boat 45 ft long 2 X outboard engine 250 hp

2. Boat 45 ft long 2 x Scania or Yanmar inboard engine 250 hp and 2x LD 240-250

Use of engines	Coastal trips		5 hour/day	
	Days/Year		200 day/year	
	Hour/Year		1,000 hours/year	
	outboard specific consumption		270 g/hp/h	4 stroke
	inboard specific consumption		181 g/hp/h	
	gamma petrol		750 g/l	
	gamma diesel		850 g/l	
Outboards 4 stroke	250 hp	270	79.41 l/hour	
costs per hour 4 stroke			2,382 Baht/hour	
costs/year 4 stroke			2,382,353 Baht/year	75,968 \$ US/year
costs per outboard boat 2 outboards			4,764,706	151,936 \$ US/year
inboard costs	250 hp	181	53 l/hour	
costs per hour			1,597 Baht/hour	
costs per year			1,597,059 Baht/year	50,927 \$ US/year
cost per boat 2 inboard			3,194,118 Baht/year	101,853
saving per boat and year using 2 diesel engine			1,570,588 Baht/year	50,083 \$ US/year