



## DF140A PERFORMANCE TEST on Haines Signature 543SF

### Test conditions

Date:	5/10/2017
Location:	Brisbane, QLD
Conditions:	Flat
Temperature:	27°C
Crew:	3

### Test boat: Haines Signature 543SF

Length:	5.43m
Beam:	2.13m
Dry weight:	880kg
Max horsepower:	150hp
Fuel capacity:	180L
Weight as tested:	n/a

### Outboard: Suzuki DF140A

Horsepower:	140hp
Cylinder:	4
Weight:	184kg
Gear ratio:	2.59:1
Propeller:	3 x 13 7/8 x 21

### Conclusion

Optimal cruise speed:	37.0km/h
Cruise range (approx) based on 95% fuel capacity:	381km
Maximum speed:	65.0km/h
0-40Km/h:	n/a

### Suzuki performance figures

RPM	Av KM/H	L/Hr	Av L/KM
600	4.3	0.7	0.16
1000	6.25	1.2	0.19
1500	9.55	2.5	0.26
2000	11.2	3.05	0.28
2500	17.75	5.2	0.33
3000	15.7	8.35	0.53
3500	28	9.2	0.33
4000	38.4	11.6	0.3
4500	46.25	14.1	0.3
5000	52.05	21.4	0.41
5500	58	29.15	0.5
6000	62	33	0.53
6250	62	33	0.53

### Suzuki fuel consumption comparison

