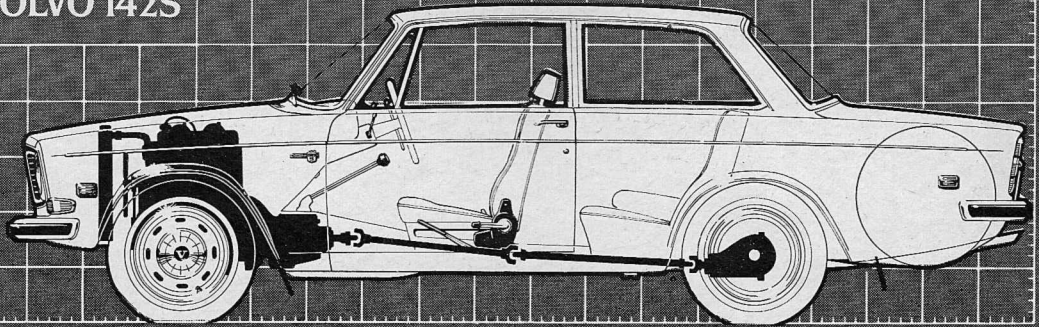




ROAD TEST 2.0 VOLVO 142S



SCALE: 10" DIVISIONS

PRICE

Basic list\$3120
As testeQ\$3265

ENGINE

Type ohv 4 cyl
Bore x stroke, mm 89 x 80
Equivalent in 3.50 x 3.15
Displacement, cc/cu in .. 1986/121
Compression ratio..... 9.5:1
Bhp @ rpm 118 @ 5800
Equivalent mph 101
Torque @ rpm, lb-ft .. 123 @ 3500
Equivalent mph 60
Carburetion ... two U5-in. Zenith-Stromberg sided rats
Type fuel requiredpremium

DRIVE TRAIN

Clutch diameter, in 9.0
Gear ratios: 4th (1.00) 4.30:1
3rd (1.36) 5.85:1
2nd (1.99) 8.56:1
1st (3.13) 13.46:1
Synchronesh. on all 4
Final drive ratio 4.3:1

CHASSIS & BODY

Body/frame unit with chassis
Brake type: single-caliper solid disc front and rear, twin lines, rear limit valve
Swept area, s'q in 400
Wheel steel disc 15 x 4 1/2
Tires Goodyear 165S-15
Steering type cam & roller
Overall ratio 17.5:1
Turns, lock-to-lock 4.0
Turning circle, ft. 30.3
Front suspension: independent with unequal-length A-arms, coil springs, tube shocks, anti-roll bar
Rear suspension: live axle with coil springs, trailing arms, tube shocks, pan hard rod

OPTIONAL EQUIPMENT

Included in "as tested" price: AM-FM radio (\$135), wheel trim rings (\$11)
Other: automatic transmission, A/C, limited slip, etc.

ACCOMMODATION

Seating capacity, persons .. 4+1
Seat width, front/rear 21.5 x 2/54.5
Head room, front/rear ... 40.5/37.0
Seat back adjustment, deg..... 90
Driver comfort rating (scale of 100):
Driver 69 in. tall 95
Driver 72 in. tall 90
Driver 75 in. tall. 85

INSTRUMENTATION

Instruments: 120-mph speedometer, 999,999 odometer, 999.9 trip odometer, fuel level, water temperature
Warning lights: alternator, directionals, brake-on, oil pressure

MAINTENANCE

Engine oil capacity, qt 4.1
Change interval, mi 3000
Filter change interval, mi 6000
Chassis lube interval, mi 6000
Tire pressures, psi 20/23

MISCELLANEOUS

Body styles available: 2-door sedan, 4-door sedan & station wagon
Warranty period ... 6 mo.

GENERAL

Curb weight, lb 2515
Test weight 2815
Weight distribution (with driver), front/rear, % 53/47
Wheelbase, in 102.4
Track, front/rear 53.1/53.1
Overall length 182.7
Width 68.1
Height 57.0
Frontal area, sq ft 21.4
Ground clearance, in. 7.1
Overhang, front/rear. 31.2/49.1
Usable trunk space, cu ft 23.2
Fuel tank capacity, gal 15.2

CALCULATED DATA

Lb/hp (test wt).... 24.0
Mph/1000 rpm (4th gear) 17.3
Engine revs/mi (60 mph) 3475
Piston travel, ft/mi 1820
Rpm @ 2500 ft/min. 4750
Equivalent mph. 82
Cu ft/ton mi. 87
R&T wear index..... 63
Brake swept area sq in/ton 285

ROAD TEST RESULTS

ACCELERATION

Time to distance, sec:
0-100 ft. 3.7
0-250 ft. 6.5
0-500 ft. 9.7
0-750 ft. 12.7
0-1000 ft. 15.4
0-1320 ft (1/4 mi) 18.5
Speed at end of 1/4 mi, mph 74
Time to speed, sec:
0-30 mph 3.4
0-40 mph 5.7
0-50 mph 8.5
0-60 mph 12.3
0-70 mph 15.7
0-80 mph 22.2
0-100mph. 44.0
Passing exposure time, sec:
To pass car going 50 mph 8.2

FUEL CONSUMPTION

Normal driving, mpg 21
Cruising range, mi.: 320

SPEEDS IN GEARS

4th gear (5900 rpm), mph 103
3rd (6000)..... 74
2nd (6000) 53
1st (6000) 34

BRAKES

Panic stop from 80 mph:
Deceleration, % g 100
Control..... excellent
Fade test: percent of increase in pedal effort required to maintain 50%-g deceleration rate in six stops from 60 mph 15%
Parking: hold 30% grade yes
Overall brake rating excellent

SPEEDOMETER ERROR

30 mph indicated actual 29.5
40 mph 38.9
60 mph 58.3
80 mph 77.3
100 mph 96.2
Odometer, 10.0 mi actual 9.75

ACCELERATION & COASTING

