Volvo's policy of constant product improvement is responsible for a beefier engine, a different grille, and stronger bumpers – all more in line with American taste. Interior of the car has been changed a bit, too.



CAPSULE ROAD TEST: A HOTTER VOLVO

HE FIRST Volvo to reach the U. S. was a subject of capsule road test in SCI for July '56. This car, driven by Ron Pearson, instantly dominated racing in Southern California in the under-1500 cc production sedan class. A year has passed, Volvo was beaten only once, and our old test car still is running like a watch. This is in spite of having been flogged in umpteen races and constantly thrashed as a sales demonstrator. It gives credence to the claim that 120,000 miles without a rebore is not unusual for these well-made Swedish cars.

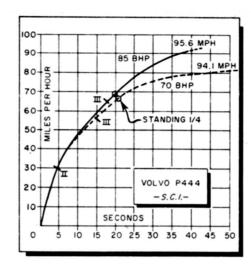
Pearson's machine has been followed by over 11,000 Volvos on the west coast alone. They are not all the same by any means, because of the factory policy of steady improvement of the product, as opposed to design that is frozen for one or more model years.

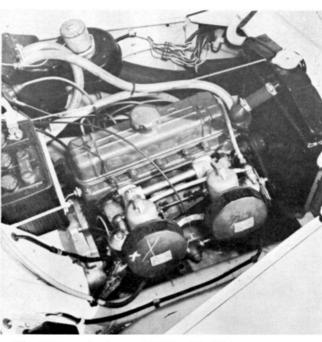
The latest development in Volvo evolution is the retirement of the 86.7 cu. in., 70-bhp engine in favor of a 96.6 cu. in., 85-bhp version called the B16B. The increased displacement comes from enlarging the cylinder bore from 2.96 to 3.125 ins. The 21.4 per cent increase in power out-

put results from the added inches plus an 8.2 compression ratio in place of 7.8 and two 1.5-in, S.U. carbs in place of a pair with 1.25-in, throats. A different camshaft evidently has been fitted, resulting in a less-flat torque curve that peaks with 87 lbs.-ft. at 3500 rpm rather than 76 at 3000.

What does the increased potency at the flywheel mean to the Volvo's performance? There is no difference below 40 mph but in the upper rpm range the transformation is radical. The zero to 80 mph time is reduced by 36 per cent and the car now surges up to 90 mph in almost ten seconds less time than the 70-bhp model takes to reach 80. Torque and pulling power are excellent in the new model's high speed range. In spite of the increased urge the difference in fuel consumption between the two models is insignificant. Engine noise and vibration are a bit more prominent in the 85-bhp model and it has a more pronounced tendency to run on for a few revs when the ignition is switched off.

The B16B engine develops its peak power at 5500 rpm but can be run up to at least 6400 without valve float. Our





The B16B engine is rated 85 bhp. The higher output comes from a larger bore, a higher compression ratio, and bigger carbs. A new cam produces a steeper torque curve with a higher peak.

top speed of over 95 mph was clocked at 5800 rpm at the end of a 1.25-mile approach but revs still were mounting slowly. At top speed the car's handling is above criticism but from about 50 mph wind drums loudly in the passenger space if a window is open.

The Volvo recently has been given a beefier low gear but to engage it silently at a standstill it must first be "synchronized" by engaging top gear. The bumpers have been greatly improved and husky over-rider bars are standard equipment. The grille has been changed, heavy-duty electric windshield wipers have been adopted, and many detail improvements have been made to the car's interior. Points praised in last September's full-scale test report that deserve to be emphasized again are this machine's cornering ability and its welded body-frame structure, which feels as strong and solid as a steel safe.

The Volvo with B16B engine carries a port of entry base price of \$2295 and represents an exceptional blend of low price, high performance, maneuverability, economy of operation, large carrying capacity, and low depreciation.

Griff Borgeson

VOLVO PV444, 85 BHP MODEL

VOLVO PV44	4, 85 BHP	MODEL
TEST CONDITIONS:		
Number aboard Temperature	1 73°F.	
	ORMANCE	
TOP SPEED:	ORMANCE	
Two-way average	85 BHP 95.0	70 BHP 94.1
Fastest one-way run	95.6	94.8
ACCELERATION:		
From Zero to 30 mph		4.9
40 mph	10.9	7.5 11.6
60 mph	20.4	17.3 22.9
80 mph 90 mph Standing ¼ mile	26.5	47.2
Standing ¼ mile	73	21.2 68
SPEED RANGES IN GEARS:		
1		
iir	18 to top	n
SPEEDOMETER CORRECTION:		
Indicated 30		
50	38	
70	58	
80	76	
100	94	
FUEL CONSUMPTION:		
Hard driving during accel. & speed runs	22.7 mpg	
Average driving (under 60 mph).28 mpg	
BRAKING EFFICIENCY:	70	
2nd 3rd	70	
4th	70	
6th	67	
8th	55	
9th	46	
POWER UNIT:		
Туре	shaft).	
Valve Arrangement Bore & Stroke	shaft). Pushrod ohy	ins - 79.4 x 80mm
Valve Arrangement Bore & Stroke Stroke/Bore Ratio	shaft) Pushrod ohv . 3.125 x 3.15 . 1.01 1.01/1	ins. – 79.4 x 80mm
Valve Arrangement Bore & Stroke Stroke/Bore Ratio	shaft) Pushrod ohv . 3.125 x 3.15 . 1.01 1.01/1	ins. – 79.4 x 80mm
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Valve Arrangement Bore & Stroke	shaft). Pushrod ohv 3.125 x 3.15 1.01 1.01/1 .96.6 cu. ins8.2/1 .Dual 1.5-in85 @ 5500 .87 @ 3500	ins. – 79.4 x 80mm
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