

HONDA V45 SABRE

proportions—of major faults.

The Sabre has given us more cause for praise than any new motorcycle since the introduction of the 750cc Ducati V-twin in 1972. Its faults are few, and in time

Honda will most likely smooth, hone and polish the rough edges. Even our resident chronic complainer came back bubbling with delight after a lengthy Sabre excursion—and he's normally as effervescent as vinegar.

With the Sabre, the curtain to the fu-

ture has been raised. For those of you who thought motorcycling would repeat itself into a tasteless and homogenized future, you can stop moping now and rejoice. The Honda Sabre says the future of street motorcycling is as bright and incandescent as we've ever seen it. ●

Cycle TEST SPECIFICATIONS

Make and model Honda VF750S Sabre

Price, suggested retail (as of 2/28/82) \$3398

PERFORMANCE

Standing start ¼ mile 12.23 sec. @ 108.56 mph

Engine rpm @ 60 mph, top gear 4116

Average fuel consumption rate 37.8 mpg (16.1 km/l)

Cruising range, main/reserve 140/42 mi. (225/68 km)

Load capacity (GVWR less curb weight) .. 413 lbs. (187 kg)

Maximum speed in gears @ engine redline ... (1) 48 (2) 68
(3) 85 (4) 102 (5) 122 (6) 146

ENGINE

Type Four-stroke, 90-degree V-four; liquid-cooled with dual chain-driven overhead camshafts; four valves per cylinder

Bore and stroke 70.0 x 48.6mm (2.76 x 1.91 in.)

Piston displacement 748cc (45.6 cu. in.)

Compression ratio 10.5:1

Carburetion (4) Keihin 32mm constant-vacuum

Exhaust system Four-into-two

Ignition Battery-powered, inductive, magnetically triggered

Air filtration (2) Oiled foam elements

Oil filtration Strainer and paper element, disposable

Oil capacity 3.2 qts. (3.0 l)

Bhp @ rpm 65.05 @ 10,000

Torque @ rpm 38.98 @ 7500

TRANSMISSION

Type Six-speed, constant-mesh, wet-clutch

Primary drive Straight-cut gear; 1.74

Final drive Shaft drive, bevel gears; 4.04

Gear ratios (transmission) (1) 2.29 (2) 1.62 (3) 1.29
(4) 1.07 (5) 0.90 (6) 0.75

Gear ratios (overall) (1) 16.10 (2) 11.39 (3) 9.07
(4) 7.52 (5) 6.33 (6) 5.27

CHASSIS

Type Double-downtube, full-cradle frame; tube/box-section swing arm

Suspension, front Center-axle, air-assisted fork with 37mm tubes, four-way adjustable anti-dive valving, and 4.8 in. (121mm) of travel

rear (1) shock absorber, adjustable for air springing and rebound damping, producing 4.2 in. (107mm) of travel

Wheelbase 61.5 in. (1562mm)

Rake/trail 29.5°/4.6 in. (117mm)

Brake, front Hydraulic, dual-disc with twin-piston calipers

rear Rod-actuated, single-leading-shoe drum

Wheel, front Cast, 2.50 x 18

rear Cast, 3.00 x 17

Tire, front 110/90 x 18 Dunlop Gold Seal F11

rear 130/90 x 17 Dunlop Gold Seal K127C

Seat height 30.7 in. (780mm)

Ground clearance 5.3 in. (135mm)

Fuel capacity 3.7/1.1 gal. (14.0/4.0)

Curb weight, full tank 537.5 lbs. (243.8 kg)

Test weight 687.5 lbs. (311.9 kg)

ELECTRICAL

Power source Three-phase AC generator

Charge control Solid-state voltage regulator

Headlight beams, high/low 65/45 watts

Taillights/stoplights (2) 8/27 watts

Battery 12V 14AH

INSTRUMENTS

Includes Speedometer, odometer, tripmeter, tachometer with 10,000-rpm redline. Fuel gauge, coolant temperature gauge; LCD indicators for gear position, head and taillights, oil pressure, battery and coolant levels;

indicator lights for neutral, high beam, turn signals and warning system; clock with stopwatch function. Speedometer error, 30 mph indicated, actual .. 29.63 mph

60 mph indicated, actual .. 58.82 mph

CUSTOMER SERVICE CONTACT

American Honda Motor Company

100 West Alondra Blvd.

Gardena, CA 90247 (213) 321-8680

