CAMS

5TH CATEGORY - HISTORIC RACING

GROUP No

APPROVED VEHICLE SPECIFICATION

This form details approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current CAMS Manual of Motor Sport.

Make of Car:

Volvo

Model:

164

Period of Original Manufacture: .1968 - 1972

CAMS Historic Group:

Nc

Date of Issue of this Document: 25th March 2004



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description:

Unitary Construction

Period of Manufacture:

1968/1972

Manufacturer:

Chassis no. from:

Chassis no. location:

Material: Comments: AB Volvo 52790 >>>

Bulkhead Steel

1.2 FRONT SUSPENSION

Description:

Independent - Wishbone

Spring medium:

Coil

Damper Type: Anti-sway bar: Telescopic Fitted

Suspension adjustable:

Yes

Adjustable: Optional Adjustable: No Method: Camber

150

/Castor/Toe-In/Out

Comments: Spring Rates and Ride Height Free

1.3 REAR SUSPENSION

Description:

Live Axle- Trailing Arms

Spring medium:

Coil

Damper type:

Telescopic

Anti-sway bar: Suspension adjustable: Not Fitted

Spring Rates & Ride Height Free

Comments:

No

Front

Disc

272 x 24 mm

Cast Iron

4

Hydraulic

Cast Iron

Type

Adjustable: Optional Adjustable: N/A

Method:

1.4 STEERING

Type

Ball & Nut

Make:

Volvo

Rear

Disc

295 x 9.6 mm

Cast Iron

2

Hydraulic

Cast Iron

Tandem

Comments:

None

1.5 BRAKES

Type:

Dimensions:

Material of drum/disc No. cylinders/pots per wheel:

Actuation:

Caliper: Make, Material, Type:

Master cylinder make: Adjustable bias:

Yes

Servo Fitted: Comments:

Dual master cylinders permitted

SECTION 2 - ENGINE

2.1 ENGINE

Make:

Volvo

Model:

164

No. cylinders:

6

Configuration:

In Line

Cylinder Block-material:

Cast Iron

Four Stroke

90.4 mm

Bore - Original: Stroke - original: 88.9 mm 80 mm Max. allowed: Max. allowed:

80 mm

100

Capacity - original:

2978 cc Water Max. allowed:

3079 cc

Cooling method: Identifying marks:

Comments:

None

2.2 CYLINDER HEAD

Make:

Volvo

No. of valves/cylinder-

SACREGATE.

Inlet:

1

Exhaust: Exhaust: 6

No. of ports total: No. of camshafts: 12

Inlet: Location: 6 Block

Drive:

Gear

Valve actuation: Pushrod Spark plugs/cylinder: 1

Identifying marks:

Comments:

None

2.3 LUBRICATION

Wet / Dry Sump

Wet Sump

Oil tank location:

N/A

Dry sump pump type: Oil cooler standard? N/A No Location:

N/A N/A

Comments:

Oil Cooler Permitted

2.4 IGNITION SYSTEM

Type:

Coil & Distributor

Make:

Bosch

Comments:

Modifications permitted. Refer Art. 4.5 Group Nc Regulations

2.5 FUEL SYSTEM

Carburettor: Make:

SU N/A Model: Type: HS6 N/A

Fuel injection Make: Supercharged:

No

Type:

N/A

Comments

Modifications permitted . Refer Art. 5 Group Nc Regulations

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Volvo Type

Diaphragm

Diameter:

240 mm

No. of Plates:

Actuation:

Cable

Comments: Clutch & method of actuation free

3.2 TRANSMISSION

Type:

4 Speed Synchromesh

Make:

Volvo

M400

No. forward speeds:

Gearbox location:

Identifying marks:

Behind Engine

+ 22

Case material:

Gearchange type and location: Floor Remote

Comments:

Ratios Free

3.3 FINAL DRIVE

Make:

Volvo

Model:

164

Wheel drive method:

Rear

Ratios:

Various Free- Hypoid

Differential: Comments:

Limited slip differential permitted

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number:

Location: Gearbox to Final Drive

Description:

Tailshaft with Universal Joints

Comments:

None

3.5 WHEELS & TYRES

Wheel type: Original:

Pressed Steel

Material:

Type:

Original: Steel

Allowed:

Period Alloy

Allowed: Steel or Alloy

5

Fixture method:

Bolt On

No. studs:

REAR

Wheel dia. & rim width

Original: Allowed

FRONT 5.5 x 15

7 x 15

5.5 x 15 7 x 15

Tyre Section:

Original:

185 x 15

185 x 15

Allowed

Aspect ratio - minimum:

60%

60%

Comments:

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:

Rear

Mechanical

Capacity:

58 Litres

Fuel pump, type and location: Comments:

Fuel pump/s free

Make: Volvo

4.2 ELECTRICAL SYSTEM

Voltage:

12

5

Alternator fitted

Battery Location:

Engine Bay

Comments:

None

4.3 BODYWORK

Type:

4 Door Sedan

Material:

Steel

No. of seats: Comments:

None

No. doors:

4

4.4 DIMENSIONS

Track - Front:

1350 mm

2720 mm

Wheelbase: Dry weight:

1370 Kg

Comments:

Rear:

1350 mm

Overall length:

4700 mm

4.5 SAFETY EQUIPMENT

Fire extinguisher: required

Seat belt: required

Rollbar :required

Refer Schedule H Refer Schedule I

Refer Schedule J & Group

Nc Regulations

Elect. cut off switch: required Safety fuel tank: optional