VM 64/2



F.I.A. Recognition No. 1360

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.I.

Federation Internationale de l'Automobile.

Form of Recognition in accordance with Appendix | to the International Sporting Code.

| Manufacturer | VAUXHALL MOTORS LTD. | AGNURATE |
|--------------------------|--------------------------------------|---------------|
| Model VAUXHALL | VELOX/CRESTA '65 Year of Manufacture | 1964 |
| Chassis | PBDX/S 5080001 | |
| Serial No. of Engine | PB 8001 | |
| Type of Coachwork | FOUR DOOR SALOON | edonie to o A |
| Recognition is valid fro | om 16th November 1964 In category | TOURING |

Photograph to be affixed here 3 view of car from front right.

Stamp of F.I.A./R.A.C. to be affixed here.



Form: R.F.I.A.

...Model

PB F.I.A. Recognition No.

General description of car:

Specify here material/s of chassis/body construction

SHEET METAL INTEGRAL

Photographs to be







Front axle complete (without wheels).

Rear axle complete (without wheels).





| ake VAUXHALL Model PB | F.I.A. Recognition No |
|--|---|
| NGINE in line | YES Catalogued B.H.P. 128.3 (GROSS) |
| | at R.P.M. 4.200 |
| | - // |
| | iring order 1-5-3-6-2-4 |
| | 07 m.m. Stroke 82.55 m.m. |
| Maximum rebore 040" | Resultant capacity 3378 c.c. |
| Material of cylinder block. CAST RON | Material of sleeves, if fitted |
| Distance from crankshaft centre line to top | 228 m.m. |
| face of block at centre line of cylinders CHROMIUM Material of cylinder head Material of cylinder head Material of cylinder head | me of one combustion chamber 53.8 c.c. |
| Compression ratio 8.5: 1 | inc of one compassion chamber |
| Material of piston ALUMINIUM ALLOY | No. of piston rings THREE |
| Distance from gudgeon pin centre line to highest | point of piston crown 44.4 m.m. |
| Crankshaft main bearings: Type | NHITE METAL Dia. 63.5 m.m. |
| Connecting rod big end: Type | |
| Flywheel 10.50 | kg. |
| | kg. |
| Weights Connecting rod • 74 | kg. |
| Piston with rings 52 | kg. |
| Gudgeon pin Two | |
| No. of valves per cylinder | Method of valve operation PUSH ROD Location of camshafts. CYLINDER BLOCK |
| No. of camshafts ONE Type of camshaft drive CHAIN AT F | |
| 11 25 | 26 1 |
| Diameter of valves: Inlet 41.33 Diameter of port AT THROAT 34.9 Inlet 34.9 | |
| Tappet clearance for | |
| valves open: Inlet 14.50 B.T.I | D.C. Exhaust 61.50 B.B.D.C. |
| Valves close: Inlet 76.20 A.B.I | |
| 0.25 | m.m. Exhaust 8.64 m.m. |
| Degrees of crankshaft rotation from zero to— | |
| Maximum lift: Inlet 127.50 | Exhaust 132.50 |
| 3 Maximum lift: Inlet 81.50 | Exhaust 82.50 |
| Valve springs: Inlet | Exhaust |
| Type HELICAL COIL | |
| No. per valve | |
| Carburettor: Type DOWNDRAFT (up or down draft, horizonta | No. fitted ONE |
| Make ZENITH | |
| | Choke diameter 36 m.m. |
| Main jet identification No. 155 | |

| Make VAUXHALL Model PB F.I.A. Recognition N | 0 | *************************************** |
|---|------|---|
| Air filter: Type OIL WETTED - DOMESTIC No. fitted | ONE | especialists di |
| DRY ELEMENT - EXPORT | | |
| Inlet manifold: Diameter of flange hole at carburettor | 42.1 | m.m. |
| Diameter of flange hole at port | 36.6 | m m |

Photograph of combustion chamber to be affixed here.





Exhaust manifold:

Diameter of flange hole at port 28.6 x 38.2 m.m.

Diameter of flange hole at connection to silencer inlet pipe 48.4 m.m.



own to be affixed here.

Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

| Make of fuel pump. A. | C. DELCO | No. fitted | ONE |
|---------------------------|------------------|------------|-----------------|
| Method of operation | MECHANICAL FROM | CAMSHAFT | |
| | COIL | | coil or magneto |
| Make of ignition A. | C. DELCO | Model 7 | 952589 |
| Method of advance and ret | ard CENTRIFUGAL | & VACUUM | |
| | C. DELCO | | |
| | IE 981 40 lobori | | |
| | ICAS | | C40-1 |
| | V | | tput 22 amps. |
| | | | M 418G |
| | ICAS 12 | | |
| | IE Voltage 12 | | |
| Oil Cooler (if fitted) ty | pe | Capacity | pints |

| VALVUALI | DR | SIA D. STATE | | | |
|--|----------------------------|--------------------------|--------------|-----------|--|
| Make VAUXHALL | | ence No. of Application. | | | |
| TRANSMISSION | Manufacturers Refere | епсе No. от Аррисатіоп. | VIII 0-17 L | | |
| Make of clutch BORG & | BECK | Туре | 8.5 DS | | |
| Diameter of clutch plate | | | ONE | | |
| Method of operating clutch | MECHANIC | AL | | | |
| Make of gearbox VAUX | HALL | Type 3 S | PD SYNCHROM | ESH | |
| No. of gearbox ratios 3 Fo | RWARD 1 REVER | se - Code 177 | 4 FORWARD | 1 REVERSE | |
| Method of operating gearshift | M | ANUAL | 4 000 | | |
| Location of gearshift ST | EERING COLUMN | - 3 SPD. FLO | OR - 4 SPD. | | |
| Is overdrive fitted? OPT I | | | 0 5 | | |
| Method of controlling overdriv | re, if fitted LLECT | RICAL SWITCH | UN FACIA | | |
| GEARBOX RATIOS | | ALTERNATIVE RATIOS | | | |
| Ratio No. of Teeth | Ratio No. of Teeth | Ratio No. of Teeth | Ratio No. o | | |
| 1. 2.605 20 X ³ | | | | | |
| 2. 1.486 20 X ² | 1.765 20 x27 | | | | |
| 3. 1.0 DIREC | T 1.353 20 X23 | | | | |
| 4. | 1.0 DIREC | shigh man bitteresson to | winu editad | | |
| REVERSE 2.773 20 X3 | 3 2.773 20 X 33 | | | | |
| Type of final drive HOTCHKISS Type of differential HYPOID BEVEL Final drive ratio 3.7 Alternatives | | | | | |
| No. of teeth 10/37 | Aiternativ | es | | | |
| Overdrive ratio, if fitted | 0.778:1 | | | | |
| WHEELS | | | | | |
| Type DISC | Wei | | | kg. | |
| Method of attachment | 5 STUD | 114 | | | |
| Rim diameter 355 | m.m. Rim | width 114. | <u>3m</u> | ı.m. | |
| Tyre size: Front 5.90 | Rear Rear | 5.90 - | 17 | | |
| BRAKES | 11 | | | | |
| Method of operation | HYDRAUL | IC | | | |
| Is servo assistance fitted? | | 1/4 011111 | | | |
| Type of servo, if fitted SUSPENDED VACUUM No of hydraulic master cylinders ONE Bore 22.02 mm | | | | | |
| No. of hydraulic master cylinde | rs UNE Bore | . 22 | • <u>/</u> m | n.m. | |

| | Front | Rear |
|--------------------------------|--|--|
| No. of wheel cylinders | Two | ONE PER BRAKE |
| Bore of wheel cylinders | 53.9 m.m. | 19.0 m.m. |
| Inside diameter of brake drur | ms <u>N/A</u> m.m. | 228.6 m.m. |
| No. of shoes per brake | N/A | Two |
| Outside diameter of brake di | scs 266.7 m.m. | N/A m.m. |
| No. of pads per brake | Two | = |
| Dimensions of brake linings | per shoe or pad (if all shoes or p | ads in each brake are not of same |
| dimensions, specify each) | Front | Rear |
| Larant | | 218 m.m. |
| Length | m.m. | |
| Width | m.m. | 44.5 m.m. |
| | 6450 m.m.² | |
| Total area per brake | | Rear |
| USPENSION | Front INDEPENDANT WISHBO | PASSAS. |
| Туре | | SEMI-ELLIPTIC LEA |
| Type of spring | COIL YES | No No |
| Is stabiliser fitted? | | |
| Type of shock absorber | DOUBLE ACTING | TELESCOPIC |
| | 1 1410 | TWO |
| No. of shock absorbers | Two | Two |
| TEERING | | |
| TEERING Type of steering gear | BURMAN RECIRCULATING | BALL |
| TEERING Type of steering gear | SURMAN RECIRCULATING | BALL m., approx. |
| Type of steering gear | SURMAN RECIRCULATING 11.12 eel from lock to lock 3.8 | BALL m., approx. |
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| TEERING Type of steering gear | BURMAN RECIRCULATING 11.12 eel from lock to lock. 3.8 ONS litres Sump | BALL m., approx. 5•4 litres |
| TEERING Type of steering gear | BURMAN RECIRCULATING 11.12 eel from lock to lock | BALL m., approx. 5.4 litres of car 178.5 cm. |
| TEERING Type of steering gear | BURMAN RECIRCULATING 11.12 eel from lock to lock. 3.8 ONS litres Sump | BALL m., approx. 5.4 litres of car 178.5 cm. |
| Type of steering gear | eel from lock to lock | BALL m., approx. 5.4 litres of car 178.5 cm. |
| Type of steering gear | eel from lock to lock 3.8 ONS litres Sump litres 1.8 cm. Overall width (with hood up, if appropriate) | BALL m., approx. 5.4 litres of car 178.5 cm. |
| Type of steering gear | eel from lock to lock | BALL m., approx. 5.4 litres of car 178.5 cm. 105.1 cm. |
| Type of steering gear | eel from lock to lock 3.8 ONS litres Sump | BALL m., approx. 5.4 litres of car 178.5 cm. 105.1 cm. |
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| Make | e VAUXHALL Model P | В | F.I.A. Recognition No | |
|------|--|------------|--|---------|
| Addi | itional information for cars fitted wit | | | |
| | System of cylinder scavenging | | | |
| | Type of lubrication | - 0 | MATERIAL DE MONTRE LA COMO I C | |
| | Size of inlet port: | | | |
| | Length measured around cylinder wall | | | m m |
| | Height | | | |
| | | | All and a second a | 111.111 |
| | Size of exhaust port: | | | |
| | Length measured around cylinder wall | | | .m.m. |
| | Height | m.m. | Area | m.m.² |
| | Size of transfer port: | | | |
| | Length measured around cylinder wall | | | |
| | Height | | | |
| | | | Area. | m.m." |
| | Size of piston port: | | | |
| | Length measured around piston | | | |
| | Height | | | |
| | Method of pre-compression | | | |
| | Bore and stroke of pre-compression cylind | | | |
| | Distance from top of cylinder block to low | | | |
| | Distance from top of cylinder block to hig | | | |
| | Distance from top of cylinder block to hig | hest poi | nt of transfer port | .m.m |
| | Drawing o | of cylinde | er ports. | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | TRANSMAG 403 | | TERRITOR TO SERVICE TO BE REAL TO SERVICE TO | |
| | | | on the first of the | |
| | | | | |
| Supe | ercharger, if fitted | 22 1 1 1 1 | NA 17 | |
| | Make | Mc | odel or Type No | |
| | Type of drive | | atio of drive | |
| | | | Ver ender | |
| Fuel | injection, if fitted | | 224301 | |
| | Make of pump | | Model or Type No. | |
| | Make of injectors | | Model or Type No | |
| | Location of injectors | | | |

Optional equipment affecting preceeding information:-



RATIO

1ST

3.03 то 3.64 : 1

2ND

1.58:1

TOP

DIRECT

REVERSE

2.516 TO 3.57 : 1

FRONT BRAKES - DRUM (PBS EXPORT)

No. of Wheel Cylinders - 2 Per Brake

BORE OF WHEEL CYLINDERS - 20.3 MM

INSIDE DIA OF DRUM -

- 254 MM

No. of Shoes PER BRAKE - 2

DIMENSIONS

LENGTH

244 MM

WIDTH

57 MM

TOTAL AREA/BRAKE 27800 MM2