

Manufacturers Reference No. for Application

16/60/61



F.I.A. Recognition No.

1112

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

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

Manufacturer Wolseley Motors Limited

Model Wolseley 16/60 Year of Manufacture 1961

Chassis W-HS3

Serial No. of Engine 16 AMW/U/H or L

Type of Coachwork Saloon - 4 door

Recognition is valid from 27 FEB 1962 In category Touring

liste generale 9
" additionnelle 2



Pl

ht.

Autosport

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

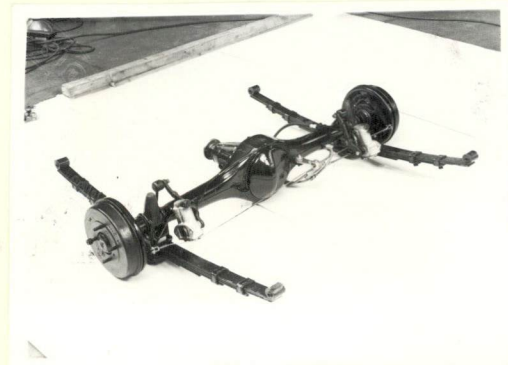
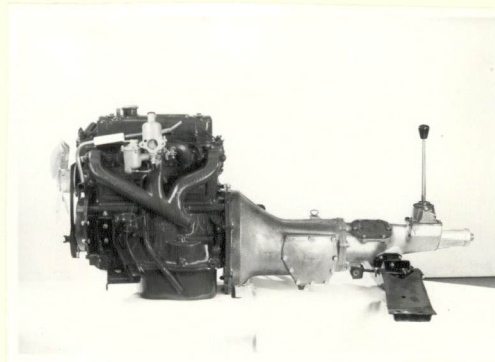
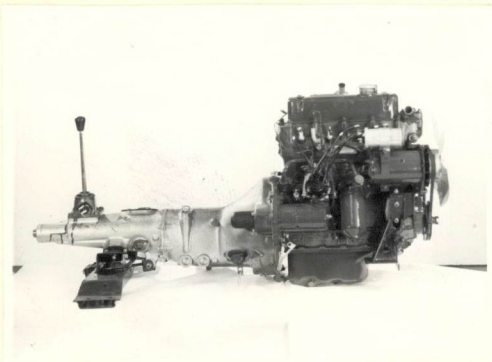
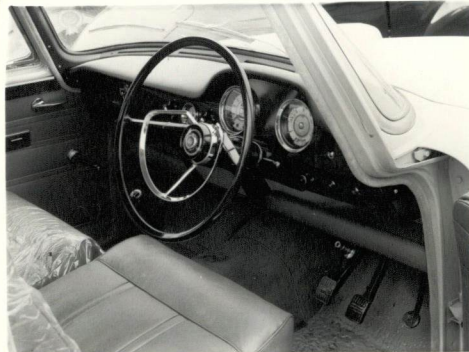
Form: R.F.I.A.

General description of car:

Specify here material/s of chassis/body construction

4 door steel saloon of unitary construction powered by 4 cylinder OHV engine driving rear wheels through 4 speed synchromesh or automatic gearbox. Suspension by wishbone and coil spring at front and semi elliptic leaf spring at rear.

Photographs to be affixed below



ENGINE

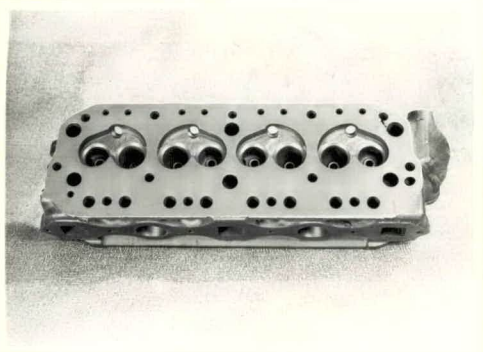
in line Yes
 No. of cylinders 4 in V -
 opposed -
 Cycle 4 stroke Firing order 1,3,4,2.
 Capacity 1622 c.c. Bore 76.2 m.m. Stroke 88.9 m.m.
 Maximum rebore 1.016"mm Resultant capacity 1666 c.c.
 Material of cylinder block Cast Iron Material of sleeves, if fitted -
 Distance from crankshaft centre line to top face of block at centre line of cylinders 252.273/252.527 m.m.
 Material of cylinder head Cast Iron Volume of one combustion chamber 38.7 c.c.
 Compression ratio 8.3 or 7.2/1
 Material of piston Aluminium alloy. No. of piston rings 4
 Distance from gudgeon pin centre line to highest point of piston crown 42.07 m.m.
 Bearings { Crankshaft main bearings: Type Copper lead Dia. 50.82 m.m.
 Connecting rod big end: Type Copper lead Dia. 47.66 m.m.
 Weights { Flywheel 13.5 kg.
 Crankshaft 14.9 kg.
 Connecting rod 1.02 kg.
 Piston with rings .36 kg.
 Gudgeon pin .11 kg.
 No. of valves per cylinder 2 Method of valve operation Push rod & rockers
 No. of camshafts One Location of camshafts Cylinder block
 Type of camshaft drive Chain
 Diameter of valves: Inlet 38.1 m.m. Exhaust 32.54 m.m.
 Diameter of port at valve seat: Inlet 33.34 m.m. Exhaust 30.00 m.m.
 Tappet clearance for checking timing: Inlet .53 m.m. Exhaust .53 m.m.
 Valves open: Inlet T.D.C. Exhaust 35° B.B.D.C.
 Valves close: Inlet 50° A.B.D.C. Exhaust 15° A.T.D.C.
 Maximum valve lift: Inlet 7.899 m.m. Exhaust 7.899 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 115° A.T.D.C. Exhaust 80° A.B.D.C.
 $\frac{3}{4}$ Maximum lift: Inlet 66° A.T.D.C. Exhaust 31° A.B.D.C.
 Valve springs: Inlet Single Helical Exhaust Single Helical
 Type Single Helical Single Helical
 No. per valve One One
 Carburettor: Type Semi-down draft No. fitted One
 (up or down draft, horizontal)
 Make S.U. Model HS2 or alternative H4
 Flange hole diameter 31.75 m.m. Choke diameter - m.m.
 Main jet identification No. Needle - Standard GX Spring yellow

Air filter: Type Combined Silencer/Cleaner No. fitted One

Inlet manifold:

Diameter of flange hole at carburettor 31.75 m.m.

Diameter of flange hole at port 33.32 m.m.



Exhaust manifold:

Diameter of flange hole at port Centre 36.51 x 33.33 Outer 36.51 x 30.16 m.m.

Diameter of flange hole at connection to silencer inlet pipe 34.92 m.m.

Phot



ffixed here.

Photograph of exhaust manifold to be affixed here.

See above

ENGINE ACCESSORIES

Make of fuel pump S.U. No. fitted One

Method of operation Electrical

Type of ignition system Coil coil or magneto

Make of ignition Lucas Model 25D4

Method of advance and retard Vacuum & centrifugal

Make of ignition coil Lucas Model LA12

No. of ignition coils One Voltage 12

Make of dynamo Lucas Model C40

Voltage of dynamo 12 Maximum output 22 amps.

Make of starter motor Lucas Model M35G

Battery: No. fitted One Voltage 12 Capacity 57 amp. hour

Oil Cooler (if fitted) type _____ Capacity _____ pints

Make Wolseley Model 16/60 F.I.A. Recognition No.

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TRANSMISSION

Make of clutch Borg & Beck Type 8A6G
 Diameter of clutch plate 8" 203mm No. of plates One
 Method of operating clutch Hydraulic
 Make of gearbox British Motor Corporation Type 4 speed synchromesh or automatic
 No. of gearbox ratios Four forward, One reverse
 Method of operating gearshift Mechanical
 Location of gearshift Central on floor
 Is overdrive fitted? No
 Method of controlling overdrive, if fitted -

| | GEARBOX RATIOS | | ALTERNATIVE RATIOS | | | | | |
|----|----------------|---|--------------------|--------------------------------------|-------|--------------|-------|--------------|
| | Ratio | No. of Teeth | Ratio | No. of Teeth | Ratio | No. of Teeth | Ratio | No. of Teeth |
| 1. | 3.6363 | $\frac{30}{21} \times \frac{28}{11}$ | 2.44:1 | $\frac{25}{26} \times \frac{11}{28}$ | | | | |
| 2. | 2.2143 | $\frac{30}{21} \times \frac{31}{20}$ | 1.618:1 | $\frac{25}{26} \times \frac{19}{32}$ | | | | |
| 3. | 1.3736 | $\frac{30}{21} \times \frac{25}{26}$ | 1.266:1 | $\frac{25}{26} \times \frac{29}{22}$ | | | | |
| 4. | 1.0:1 | - | 1.0:1 | | | | | |
| OR | 4.755 | $\frac{30 \times 28 \times 17}{21 \times 11 \times 15}$ | 3.199:1 | | | | | |

Type of final drive Hypoid bevel - Three quarter floating
 Type of differential Bevel
 Final drive ratio 4.3/1 Alternatives 4.55:1, 4.875:1
 No. of teeth 10/43 9/41, 8/39
 Overdrive ratio, if fitted -

WHEELS

Type Disc Weight 6.75 kg.
 Method of attachment Studs in brake drums
 Rim diameter 355.6 m.m. Rim width 101.6 m.m.
 Tyre size: Front 5.90 - 14 Rear 5.90 - 14

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? No
 Type of servo, if fitted -
 No. of hydraulic master cylinders One Bore 17.78 m.m.

| | Front | | Rear |
|---|-------------|------|---------------|
| No. of wheel cylinders | 2 per wheel | | One per wheel |
| Bore of wheel cylinders | 22.225 | m.m. | 22.225 m.m. |
| Inside diameter of brake drums | 228.6 | m.m. | 228.6 m.m. |
| No. of shoes per brake | Two | | Two |
| Outside diameter of brake discs | - | m.m. | - m.m. |
| No. of pads per brake | - | | - |
| Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each) | | | |

| | Front | | Rear |
|----------------------|-------|-------------------|-------------------------|
| Length | 219 | m.m. | 219 m.m. |
| | - | m.m. | - m.m. |
| Width | 63.5 | m.m. | 44.45 m.m. |
| Total area per brake | 27820 | m.m. ² | 20110 m.m. ² |

SUSPENSION

| | Front | | Rear |
|------------------------|----------------------|--|----------------------|
| Type | Independent | | Semi elliptic |
| Type of spring | Coil | | Leaf |
| Is stabiliser fitted? | Yes | | Yes |
| Type of shock absorber | Hydraulic lever type | | Hydraulic lever type |
| No. of shock absorbers | Two | | Two |

STEERING

Type of steering gear Cam & Peg

Turning circle of car 11.43 m., approx.

No. of turns of steering wheel from lock to lock 2⁵/₈

CAPACITIES AND DIMENSIONS

Fuel tank 45.4 litres Sump 4.5 litres

Radiator 6.8 litres

Overall length of car 427 cm. Overall width of car 161 cm.

Overall height of car, unladen (with hood up, if appropriate) 149 cm.

Distance from floor to top of windscreen:

Highest point 139.7 cm. Lowest point 103.5 cm.

Width of windscreen:

Maximum width 127 cm. Minimum width 111.7 cm.

*Interior width of car 133 cm.

No. of seats Four

Track: Front 128.6 cm. Rear 131.1 cm.

Wheelbase 254.6 cm. Ground clearance 149 m.m.

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Overall weight with water, oil and spare wheel, but without fuel 1080 kgs.

Additional information for cars fitted with two-cycle engines

System of cylinder scavenging.....

Type of lubrication.....

Size of inlet port:

Length measured around cylinder wall.....m.m.

Height.....m.m. Area.....m.m.²

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.....m.m.

Height.....m.m. Area.....m.m.²

Size of piston port:

Length measured around piston.....m.m.

Height.....m.m. Area.....m.m.²

Method of pre-compression.....

Bore and stroke of pre-compression cylinder, if fitted.....m.m.

Distance from top of cylinder block to lowest point of inlet port.....m.m.

Distance from top of cylinder block to highest point of exhaust port.....m.m.

Distance from top of cylinder block to highest point of transfer port.....m.m.

Drawing of cylinder ports.

Supercharger, if fitted

Make..... Model or Type No.....

Type of drive..... Ratio of drive.....

Fuel injection, if fitted

Make of pump..... Model or Type No.....

Make of injectors..... Model or Type No.....

Location of injectors.....

Optional equipment affecting preceding information:—