



F.I.A. Recognition No. 14 -

ROYAL AUTOMOBILE CLUB

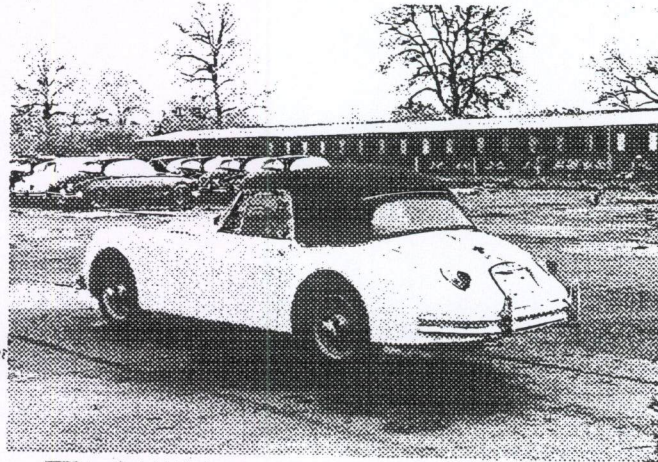
PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

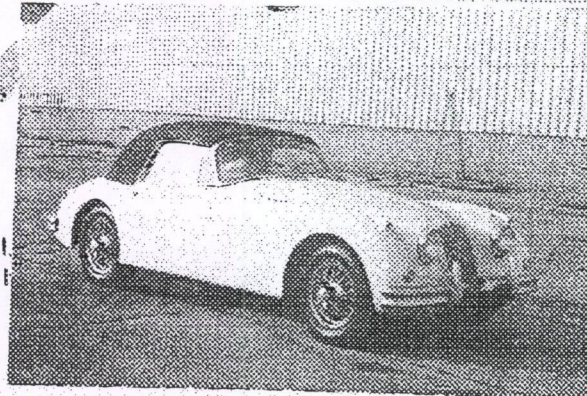
*Form of Recognition in accordance with
Appendix J to the
International Sporting Code.*

Manufacturer Jaeger Cars Limited.
Model XK.150 (3.8 litre) Drop Head Coupe Year of Manufacture 1959 - 60
Serial No. of Chassis 827001 R.H. Drive 837001 L.H. Drive
Engine VA.1001
Type of Coachwork Drop Head Coupe
Recognition is valid from In category Group 3 - Grand Touring

Photograph to be affixed here



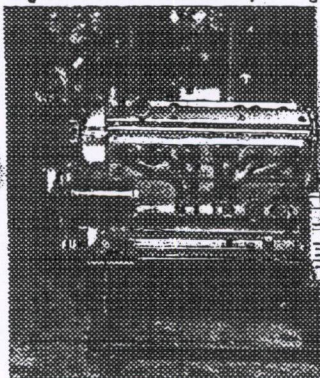
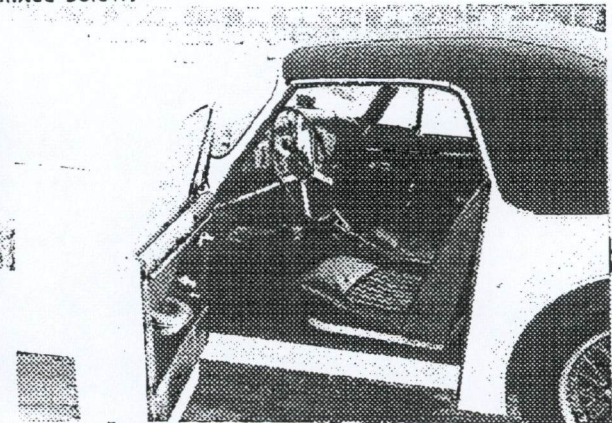
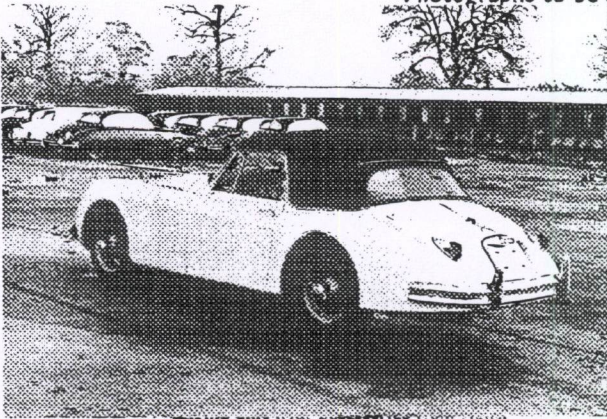
Stamp of F.I.A.
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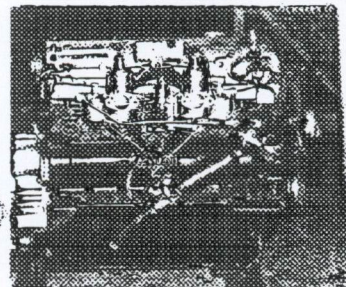
General description of car:

XK.150 (3.8 litre engine) Drop head coupe, Standard transmission,
Overdrive or Automatic transmission Disc or wire spoke wheels

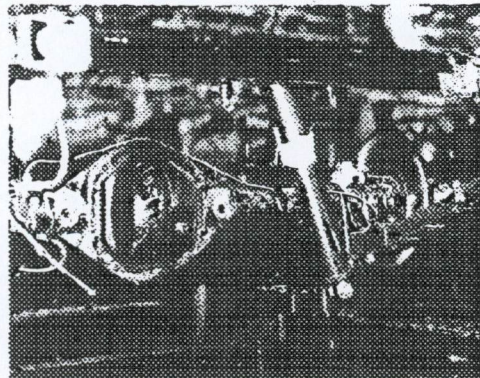
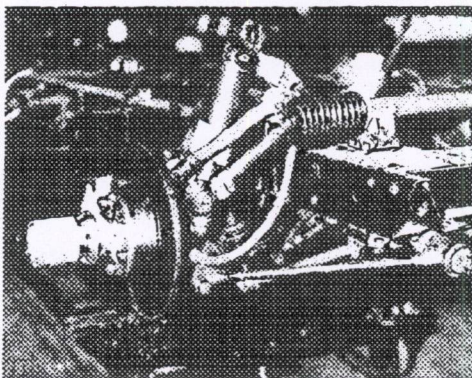
Photographs to be affixed below.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

in line

No. of cylinders..... 6

Cycle..... Otto (4 stroke)

Capacity..... 3,781 c.c. Bore..... 87 m.m. Stroke..... 106 m.m.

Maximum rebore..... 1 mm

Material of cylinder block..... Cast iron

Distance from crankshaft centre line to top face of block at centre line of cylinders..... 291 m.m.

Material of cylinder head..... Aluminium alloy

Compression ratio..... 7:1, 8:1 or 9:1

Material of piston..... Aluminium alloy

Distance from gudgeon pin centre line to highest point of piston crown..... 46.89 (7:1) 52.55 (8:1) 57 (9:1) m.m.

Bearings { Crankshaft main bearings: Type Steel backed shell Dia. 69.85 m.m.
 Connecting rod big end: Type Steel backed shell Dia. 52.98 m.m.

Weights { Flywheel..... 13.15 kg.
 Crankshaft..... 28.5 kg.
 Connecting rod..... 0.88 kg.
 Piston with rings..... (8:1) 0.538 kg. (9:1) 0.509 kg
 Gudgeon pin..... 0.128 kg.

No. of valves per cylinder..... 2

No. of camshafts..... 2

Type of camshaft drive..... Two stage - Duplex chain

Diameter of valves: Inlet..... 44.45 m.m. Exhaust..... 41.27 m.m.

Diameter of port at valve seat: Inlet..... 38.1 m.m. Exhaust..... 34.9 m.m.

Tapet clearance for checking timing: Inlet..... 0.25 m.m. Exhaust..... 0.25 m.m.

Valves open: Inlet..... 15° BTDC

Valves close: Inlet..... 57° ABDC

Maximum valve lift: Inlet..... 9.5 m.m. Exhaust..... 9.5 m.m.

Degrees of crankshaft rotation from TDC to—

Maximum lift: Inlet..... 111°

Maximum lift: Inlet..... 55°

Valve springs: Inlet Exhaust

Type..... Coil

No. per valve..... 2

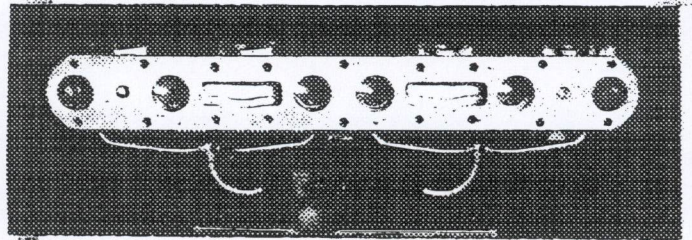
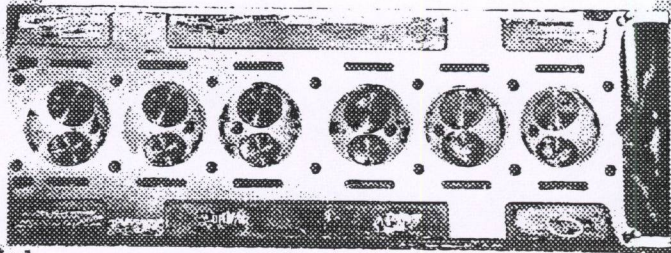
Carburettor: Type..... Horizontal

Make..... S.U.

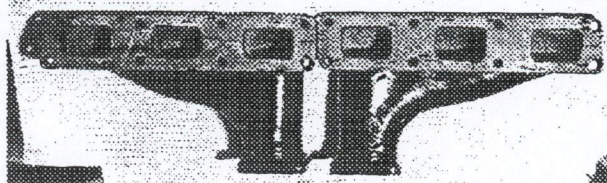
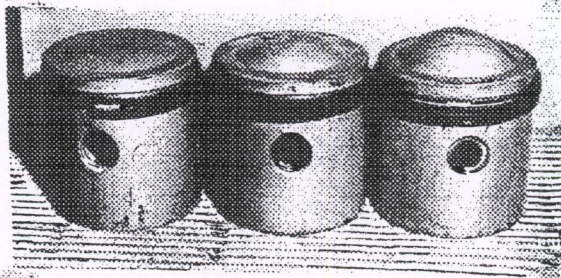
Flange diameter..... 44.4 m.m. Choke diameter..... Variable m.m.

Main jet identification No..... 2.54 mm (.100")

Air filter: Type Wire mesh No. fitted 1
 Inlet manifold:
 Diameter of flange at carburettor 44.4 m.m.
 Diameter of flange at port 38.0 m.m.



Exhaust manifold:
 Diameter of flange at port 34.92 x 53.97 m.m.
 Diameter of flange at connection to silencer inlet pipe 17.62 m.m.



ENGINE ACCESSORIES

Make of fuel pump S.J. No. fitted 1
 Method of operation Electric
 Type of ignition system Coil coil or magneto
 Make of ignition Lucas Model
 Method of advance and retard Centrifugal and Vacuum
 Make of ignition coil Lucas Model EA.12
 No. of ignition coils 1 Voltage 12
 Make of dynamo Lucas Model Q45 PVS/6
 Voltage of dynamo 12 Maximum output 25 amps.
 Make of starter motor Lucas Model M 45 G
 Battery: No. fitted 2 Voltage 12(2 at 6v) Capacity 72 amp. hour

Make Jaguar Model XK.150 DHC F.I.A. Recognition No. _____

TRANSMISSION

Make of clutch Borg and Beck Type Single dry plate
 Diameter of clutch plate 254 mm (10") No. of plates 1
 Method of operating clutch Hydraulic
 Make of gearbox Jaguar Type 4 speed synchromesh
 No. of gearbox ratios 4 and reverse
 Method of operating gearshift Manually
 Location of gearshift Top of gearbox (body floor)
 Is overdrive fitted? Yes
 Method of controlling overdrive, if fitted Solenoid electric switch

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.378:1	$\frac{38}{27} \times \frac{36}{15}$	2.98:1	$\frac{37}{28} \times \frac{36}{16}$				
2.	1.86:1	$\frac{38}{27} \times \frac{37}{28}$	1.74:1	$\frac{37}{28} \times \frac{37}{28}$				
3.	1.286:1	$\frac{38}{27} \times \frac{31}{34}$	1.21:1	$\frac{37}{28} \times \frac{31}{34}$				
4.	1.0:1	-	1.0:1	-				
5.								

Type of final drive Hypoid gears - semi floating
 Type of differential Thornton "Four-Lok"
 Final drive ratio ~~4.09~~ 3.54 Alternatives ~~3.77~~ 4.09
 No. of teeth ~~14 x 45~~ 13 x 46 ~~13 x 49~~ 11 x 45
 Overdrive ratio, if fitted 0.778:1

WHEELS

Type Wire spoke or disc Weight Disc 10.26 kg Wire 9.34 kg
 Method of attachment Disc - 5 nuts Wire - Centre lock hub cap
 Rim diameter 405 m.m. Rim width Disc 139 Wire 127 m.m.
 Tyre size: Front 600 x 16 Rear 600 x 16

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? Yes
 Type of servo, if fitted Lockheed 6 7/8"
 No. of hydraulic master cylinders 1 Bore 22 m.m.

	Front		Rear
No. of wheel cylinders	4		4
Bore of wheel cylinders	54	m.m.	41.25
Inside diameter of brake drums	-	m.m.	-
No. of shoes per brake	-		-
Outside diameter of brake discs	305	m.m.	305
No. of pads per brake	2		2
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	54	m.m.	54
		m.m.	m.m.
Width	47.5	m.m.	47.5
		m.m.	m.m.
Total area per brake	5120	m.m. ²	5120
		m.m. ²	m.m. ²

SUSPENSION

	Front		Rear
Type	Independent		Semi elliptic springs
Type of spring	Torsion bar		Leaf
Is stabiliser fitted?	Yes		No
Type of shock absorber	Telescopic		Telescopic
No. of shock absorbers	2		2

STEERING

Type of steering gear Rack and pinion

Turning circle of car 10.0 m., approx.

No. of turns of steering wheel from lock to lock 2 $\frac{3}{4}$

CAPACITIES AND DIMENSIONS

Fuel tank 63 $\frac{1}{2}$ litres Sump 7 $\frac{1}{2}$ litres

Radiator 4.41 litres

Overall length of car 449.6 cm. Overall width of car 163.8 cm.

Overall height of car, unladen (with hood up, if appropriate) 139.6 cm.

Distance from floor to top of windscreen:

Highest point 90 cm. Lowest point 84 cm.

Width of windscreen:

Maximum width 140 cm. Minimum width 115 cm.

Interior width 122 cm.

No. of seats 2 and 2 occasional seats

Track: Front 131.1 cm. Rear 131.1 cm.

Wheelbase 259.1 cm. Ground clearance 181 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 1400 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:—