SUNALP IV



F.I.A. Recognition No. 164

ROYAL AUTOMOBILE

PALL MALL, LONDON, S.W.I.

Federation Internationale de l'Automobile.

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

Manufacturer	SUNE	BEAM TALBOT LTD.		
Model	ALPI	NE IV	Year of Manufacture	1964
-	Chassis	B.9400001		
Serial No. of	Engine	· B.9400001		
		2-SEATER	V mensula	
Recognition is	valid from	with April	0001	

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



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



General description of car:

Specify here material/s of chassis/body construction

Two Seater Sports Tourer with Rear Occasional Seat - Two Door only - Hard Top or Soft Top can be fitted - Body Constructed of Steel and Aluminium.

Photographs to be affixed below.

 $\frac{3}{4}$ view of car from rear left.



Engine unit with accessories from right.



Front axle complete (without wheels).



Interior view of car through driver's door.



Engine unit with accessories from left.



Rear axle complete (without wheels).

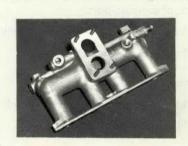


NGINE	in line	Yes	igno goda			
No. of cylinders						
1	opposed					
Cycle 4-Stroke		Firing or	der	1.3	3.4.2.	
Capacity 1592 c.c.	Bore 8	1.5	m.m.	Stroke	76.2	m.m.
Maximum rebore. 1.016 m.	m.	Resulta	nt dapacil	X	1630	
Maximum rebore. 1.016 m. Material of cylinder block. Cast	Iron	Materia	l of sleeve	s, if fitted	None	9
Distance from crankshaft centre lin	e to top	231	mm	A ob		
Material of cylinder head	minium	olume of on	e combus	tion cham	ber	38 c.c.
Compression ratio Material of piston Alumin		30	3	(a)		
			No. of	iston ring	gs 3 pe	er pisto
Distance from gudgeon pin centre l	ine to high	est point of	piscon cre) WII		m.m.
Bearings Crankshaft main bearing Connecting rod big en	ngs: Type	White	Metal	Dia	57.137	7/57m.m25
Connecting rod big en	d: Type	AL/Sn	or Cu/	Pb Dia	50.82	5/50m. 813
Flywheel 9.48 Crankshaft 17.07		kg.				
Crankshaft		kg.				
Weights Connecting rod • 70 Piston with rings	20	kg.				
Piston with rings	• 7	kg.				
Gudgeon pin	• 141	kg.			Duchno	d
No. of valves per cylinder 2		Method	of valve of	peration	rusiire	1
No. of camshafts						
Type of camshaft drive Duple:						
Diameter of valves: Inlet 38.					.77	
-		m.m.		st 26	•9	m.m.
Tappet clearance for checking timing: Inlet	+27	m.m.	Exhau	st	.498	m.m.
Valves open: Inlet 25°	BTDC		Exhau		3° BBDC	
Valves close: Inlet 59°						
Maximum valve lift: Inlet 12.0)	m.m.	Exhau	st	2.0	m.m.
Degrees of crankshaft rotation from	m zero to-	_				
Maximum lift: Inlet	-59		Exhau	stl	51	
Maximum lift: Inlet 1	.07		Exhau	st)	
Valve springs:	Inlet				Exhaust	
Type Coil			······································		Coil	
No. per valve	ft/Hor	izontal			2 L or 2	
No. per valve2 Carburettor: TypeOwn dra	raft, horizo	ntal)	No. fitte	d		
Make Solex/Weber	arc, 1101120	Mod	el32	PAIA/L	+O DCOE	
Flange hole diameter 32/40	m.n	n Chol	ce diamete	ar	20/20	m m

Air filter: Type Wire Mesn		No. fitted	1
Inlet manifold:	32/40		
Diameter of flange hole at carburettor	F0 0		m.m.m.
Diameter of flange hole at port	50.8		m m



Photograph of inlet manifold to be affixed here.



Exhaust manifold:

Diameter of flange hole at port. 35

Diameter of flange hole at connection to silencer inlet pipe. No Flange

No Flange m.m. Clip only

m.m.

Photograph of piston showing crown to be affixed here.



Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

Make of fuel pump	AC	No. fitted 1
Method of operation	Mechanical	
Type of ignition system	Coil and Distribu	ator coil or magneto
Make of ignition	Lucas	Model DM 2
Method of advance and retar	d Centrifugal and N	Model DM 2 Vacumn
Make of ignition coil	Lucas	Model H.A.12
	One One	Voltage 12
Make of dynamo	Lucas	Model C_1+0
Voltage of dynamo	12	Maximum output 25 amps.
Make of starter motor	12 Lucas	Model M 35c
	Voltage	
	Radiator	

Bore

22.1

m.m.

Girling Vacumn

Yes

Is servo assistance fitted?

No. of hydraulic master cylinders

Type of servo, if fitted

No. of wheel cylinders	2 per wh	neel	l per whe	el
Bore of wheel cylinders	54	m.m.	22.2	m.m.
Inside diameter of brake drums	_		228.6	m.m.
No. of shoes per brake	_		2	
Outside diameter of brake discs	250.2			m.m.
No. of pads per brake	2		_	
Dimensions of brake linings per	shoe or pad (if	all shoes or pads	in each brake are	not of same
dimensions, specify each)				
	Fro		Rear 215	
Length	- ()	7m.m.		m.m.
	***************************************	m.m.		m.m.
Width	5]	± m.m.	44.5	m.m.
Total area per brake	661	+5 m.m.²	19484	m.m.²
USPENSION	Fro	nt	Rear	
Туре	Wishbone	9	Live An	
Type of spring.	Coil	<u>,</u>	Semi Ell	iptica.
Is stabiliser fitted?	Yes	-	-	
Type of shock absorber	Telesco		Telescop	oic
No. of shock absorbers	2		2	
TEERING				
Type of steering gear Reci	rculating	Ball		
Turning circle of car 10.3	6			m approx
No. of turns of steering wheel	from lock to k	ck 3		, срр. сл
		/CK	(
	5	1 -		
APACITIES AND DIMENSION		- 11 5	7 no 07 1 17	lter.
	litres 50 with H	Sump 4.5	inc Oil Fi	Lterlitres
Fuel tank 52 6.02 or 6.	litres 59 with H	eater		
Fuel tank 52 Radiator 6.02 or 6. Overall length of car 395	cm.	eater Overall width of	f car 153.	
Fuel tank 52 6.02 or 6.	cm.	eater Overall width of	f car 153.	
Fuel tank 52 Radiator 6.02 or 6. Overall length of car 395	ith hood up, if	eater Overall width of	f car 153. 135 cm.	
Fuel tank 52 Radiator 6.02 or 6. Overall length of car 395 Overall height of car, unladen (w	cm. ith hood up, if a	eater Overall width of	f car 153. 135 cm.	
Fuel tank 52 Radiator 6.02 or 6. Overall length of car 395 Overall height of car, unladen (w Distance from floor to top of win	cm. ith hood up, if a	eater Overall width of appropriate)	f car 153 • 135 cm.	
Fuel tank 52 Radiator 6.02 or 6. Overall length of car 395 Overall height of car, unladen (w Distance from floor to top of win Highest point.	cm. ith hood up, if a	eater Overall width of appropriate)	f car 153 • 135 cm.	
Fuel tank 52 Radiator 6.02 or 6. Overall length of car 395 Overall height of car, unladen (w Distance from floor to top of wir Highest point. 7 Width of windscreen:	ith hood up, if and discreen:	eater Overall width of	f car 153 • 135 cm.	
Fuel tank 52 Radiator 0.02 or 6. Overall length of car 395 Overall height of car, unladen (w Distance from floor to top of wir Highest point. Width of windscreen: Maximum width 125 *Interior width of car 225	ith hood up, if and discreen:	eater Overall width of appropriate)	f car 153 • 135 cm.	
Fuel tank 52 Radiator 6.02 or 6. Overall length of car, unladen (w Distance from floor to top of win Highest point. Width of windscreen: Maximum width	ith hood up, if and discreen:	eater Overall width of appropriate)	f car 153 • 135 cm.	cm.
Fuel tank 52 Radiator 002 or 6 Overall length of car 395 Overall height of car, unladen (w Distance from floor to top of wir Highest point. Width of windscreen: Maximum width *Interior width of car No. of seats Track: Front 13	cm. ith hood up, if a discreen: cm. L cm. cm.	eater Overall width of appropriate)	f car 153 • 135 cm. 87 cr 104	cm. cm.
Fuel tank 52 Radiator 002 or 6 Overall length of car 395 Overall height of car, unladen (w Distance from floor to top of wir Highest point. Width of windscreen: Maximum width *Interior width of car No. of seats Track: Front 13	cm. ith hood up, if a discreen: cm. L cm. cm. cm.	eater Overall width of appropriate)	f car 153. 135 cm. 87 cr 104	cm. cm.

dditional information for cars fitted v	with two-cycle engines				
	Cashillan Special de la la la secon				
Size of inlet port: Length measured around cylinder wa	JI.	m m			
Height	m.m. Area				
Troight.					
Size of exhaust port:					
Length measured around cylinder wa	II	m.m			
Height	m.m. Area	m.m.			
Size of transfer port:	LIGHT				
	ıll	m.m.m			
Height					
Size of piston port:		50 50			
	m.m. Area				
	III.III. Area				
	inder, if fitted				
	Distance from top of cylinder block to lowest point of inlet port. Distance from top of cylinder block to highest point of exhaust port.				
	highest point of transfer port				
Drawin	ng of cylinder ports.				
The state of the s					
upercharger, if fitted					
Make					
Type of drive	Ratio of drive				
uel injection, if fitted					
Make of pump	Model or Type No				
Make of injectors					
Location of injectors					

Optional equipment affecting preceeding information:-

- 1. Oil Cooler available.
- 2. Long Range Fuel Tank available 100 litres.
- 3. 4 Bevel Proporties available.

4. Composite Eshaust Manifold available.

