

STEEL STEAMER or ~~MOTORSHIP~~.

Received at London Office JUL 25 1940.

State if Report has been sent on the Freeboard of the Vessel. YES

State if Report is sent on the Machinery of the Vessel. YES

Date of completion of report

13th JULY 1940. Port of GREENOCK.

No. 21013.

Survey held at

PORT GLASGOW

Date First Survey

28th JULY 1939.

Last Survey

10th JULY

1940.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

SINGLE SCREW STEAMER "DALESMAN"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

FULL SCANTLING.

State Type of Erections POOP, BRIDGE, ETC.

TONNAGE under Tonnage Deck

5848.41

CLASS \times 100.A.1.

State if with freeboard as condition of Class

No

Built at PORT GLASGOW

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 441.75

Launched MARCH 26th 1940 Yard No. 927

Total

Breadth (greatest moulded)

B 56.25

Builders LITHGOWS LIMITED

Gross Tonnage

6343.44.

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 32.16

Owners THE CLARENTE STEAMSHIP CO LTD

Register Tonnage

3882.60

1st Longitudinal Number (L \times D)

= 14206

Managers T & J HARRISON

(Where necessary to be entered in Reg. Book.)

2nd Numeral L \times (B + D)

= 39055

Residence LIVERPOOL

REGISTERED DIMENSIONS. FEET.

Length

445.15.

Framing Depth "d," at middle of length. See Sec. 3 (1d)

17.5

Port of Registry LIVERPOOL

Breadth

56.5.

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.73

If surveyed while building, afloat, or in dry dock

Depth

29.65.

Do. Long Bridge to top of keel

11.01

Draught Moulded

25'-7 $\frac{3}{4}$

BUILDING, AFLOAT & IN DRY DOCK.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	27 ✓		Bracket Floors, Frame	B.A. 8 3 $\frac{1}{2}$.35 ✓	
" " from $\frac{3}{4}$ length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	B.A. 7 3 .39 ✓	
" " in peaks	24 ✓		" " Vertical Struts	CHAN. 11x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x.46 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	44x.54 ✓	
Frame Amidships, Angle \leftarrow E \rightarrow [	10 3 $\frac{1}{2}$.42 ✓		" " top Angles	3 $\frac{1}{2}$ 3 $\frac{1}{2}$.52 ✓	
" " Extends up to	SECOND DECK ✓		" " bottom Angles	4 4 .58 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE @ .39 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	37x.52 ✓	
Depth of Framing Girder	10 ✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	3 $\frac{1}{2}$ 3 $\frac{1}{2}$.42 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E \leftarrow [or [	8 3 $\frac{1}{2}$.36 ✓		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	3 $\frac{1}{2}$ 3 $\frac{1}{2}$.42 ✓	
" " Second 'tween Decks, Angle, [or [	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	40 EVERY FRAME 6- $\frac{7}{8}$ RIVETS ✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	41 EVERY FRAME 7- $\frac{7}{8}$ RIVETS ✓	
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem	11x3 $\frac{1}{2}$ x.42 BA ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	67x.45 ✓	
" " in Peaks, Angle \leftarrow E \rightarrow [	8 3 $\frac{1}{2}$.38 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 SPACED 6 $\frac{1}{4}$ ✓		" Breadth and thickness of Middle Line Strake	52 $\frac{1}{4}$ x.50 ✓	
State if Frame Joggled	YES, EXCEPT AT ENDS. ✓		Thickness of remainder in Holds	.42-.38 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	YES ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle \leftarrow E \rightarrow [	8 3 $\frac{1}{2}$.42 ✓	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, \leftarrow E \rightarrow [	8 3 $\frac{1}{2}$.51 ✓	
Height of Brackets at side above base line at toe of frame			Spacing	27 ✓	
Middle Line Keelson, on Floors, Angles, [or [			Second Deck, amidships, Angle \leftarrow E \rightarrow [	8x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x.44 ✓	IN WAY OF HATCHES ✓
" " Through Plate or Intercostal Plate			Spacing	12x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x.54 ✓	CLEAR OF HATCHES ✓
" " Foundation Plate on Floors				27x54. ✓	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or [✓	
Side Keelsons, No. each side			Spacing	✓	
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or [✓	
" " Angles			Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle \leftarrow E \rightarrow [	6 3 .41 ✓	
Solid Floors, thickness and spacing	40 EVERY 3 RD FRAME ✓		Spacing	27 ✓	
" " Are Frame and Reversed Frame joggled?	YES ✓		Bridge Deck, Angle, E \leftarrow [or [	8 3 .35 ✓	
Bracket Floors, breadth and thickness at middle line	3'-9" x .39 ✓		Spacing	27 ✓	
" " breadth and thickness at margin plate	2'-9" x .39 ✓		Forecastle Deck, Angle, E \leftarrow [or [	8 3 .35 ✓	
			Spacing	27 ✓	

PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	Two Rows in Nos. 1, 3, 4, 5 Holds		✓	Stringer Plate, breadth and thickness in way of Bridge	48x44		✓
ONE.....	No 2 Hold		✓	Thickness of Plating abreast Deck openings in way of Wells	40		✓
TWO.....	ALL TWIN DECKS		✓	Thickness of Plating abreast Deck openings in way of Bridge	36		✓
„ in 'tween Decks, Size and Spacing.....	WIDE SPACED PILLARS & GIRDERS IN HOLDS & TWIN DECKS		✓	Thickness of Plating within line of openings...	40		✓
„ „ „ „ „	SEE APPROVED PLAN FOR SCANTLING.		✓	If Sheathed, material and thickness	NOT SHEATHED		✓
„ in Holds				Third Deck.			
„ „ „ „ „				Stringer Plate, breadth and thickness.....	✓		
Centre Line Bulkhead.				If Plated, state thickness.....	✓		
Stiffeners and Spacing.....	✓			Fourth Deck.			
Plating, thickness of	✓			Stringer Plate, breadth and thickness.....	✓		
STRINGERS AND DECKS.				If Plated, state thickness	✓		
Uppermost Continuous Deck.				Poop Deck.			
Stringer Plate, breadth and thickness in Wells	60"x1-10		✓	Stringer Plate, breadth and thickness	37x36		✓
„ „ „ „ in way of Bridge	60x41		✓	Plating, Sheathing, material and thickness ...	30 5x3" PINE		✓
„ Angle in Wells	7 7 .95		✓	Bridge Deck.			
Thickness of Plating abreast Deck openings in way of Wells .....	.68		✓	Stringer Plate, breadth and thickness.....	64x50		✓
Thickness of Plating abreast Deck openings in way of Bridge .....	.36		✓	Plating, Sheathing, material and thickness ...	.44 SHEATHED IN WAY OF ACCOMODATION UNDER BOAT DK		✓
Thickness of Plating within line of openings...	.44 - .34		✓	Forecastle Deck.			
If Sheathed, material and thickness	NOT SHEATHED. DK IN WAY OF ACCOMODATION COVERED WITH 2" BITUMASTIC.		✓	Stringer Plate, breadth and thickness.....	35x36		✓
Second Deck.				Plating, Sheathing, material and thickness ...	34 SHEATHED UNDER WIDOLASS ONLY		✓
Stringer Plate, breadth and thickness in Wells...	48 x 44.		✓				

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <u>No</u>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.								
FLAT PLATE KEEL	51 ✓	.82 ✓	.72 ✓	.72 ✓		DOUBLE ✓	1" ✓	3 1/4 ✓	FOUR ✓	1" ✓	4" ✓	LAPPED ✓
" DECK (if any)	THREE STRAKES OF BOTTOM SHELL PLAS FROM 1/2 LEN TO COLLISION BULKHEAD .70 ✓											
BOTTOM PLATING, No. of Strakes <u>FOUR</u>...		.63 ✓	.48 ✓	.50 ✓		DOUBLE ✓	7/8 ✓	3 3/8 ✓	FOUR ✓	7/8 ✓	3 1/2 ✓	LAPPED ✓
BILGE PLATING, No. of Strakes <u>ONE</u>...		.63 ✓	.48 ✓	.50 ✓	* BUTTS WELDED IN TREBLE RIVETER BUTT STRAPS FITTED AMIDSHIPS ON INSIDE OF STRAKE ABOVE BILGE ✓	-DO- ✓	7/8 ✓	3 3/8 ✓	FOUR ✓	7/8 ✓	3 1/2 ✓	"
SIDE PLATING, No. of Strakes <u>THREE</u>...		.62 ✓	.46 ✓	.46 ✓		-DO- ✓	7/8 ✓	3 3/8 ✓	THREE * ✓	7/8 ✓	3 1/8 ✓	"
UPPER DECK, Sheer-strake in Wells.....	62 ✓	.95 ✓	.46 ✓	.46 ✓		-DO- ✓	1" ✓	3 1/4 ✓	FIVE ✓	1" ✓	4 1/2 ✓	"
UPPER DECK, Sheer-strake in Bridge ...	62 ✓	.62 ✓	✓	✓		-DO- ✓	7/8 ✓	3 3/8 ✓	THREE ✓	7/8 ✓	3 1/8 ✓	"
STRAKE BELOW Sheer-strake in Wells.....	78 ✓	.78 ✓	.46 ✓	.46 ✓		-DO- ✓	7/8 ✓	3 3/8 ✓	FOUR ✓	1 ✓	4 ✓	"
STRAKE BELOW Sheer-strake in Bridge ...	78 ✓	.62 ✓				-DO- ✓	7/8 ✓	3 3/8 ✓	THREE ✓	7/8 ✓	3 1/8 ✓	"
POOP SIDE PLATING .....				.40 ✓		SINGLE ✓	7/8 ✓	3 3/8 ✓	ONE ✓	7/8 ✓	3 1/8 ✓	"
BRIDGE SIDE PLATING ...		.61 ✓				DOUBLE ✓	7/8 ✓	3 3/8 ✓	FOUR ✓	7/8 ✓	3 1/2 ✓	"
FOREC'TLE SIDE PLATING			.42 ✓			SINGLE ✓	7/8 ✓	3 3/8 ✓	ONE ✓	7/8 ✓	3 1/8 ✓	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	EIGHT.	78H in RB
Extending to Upper Deck (Sec. 3 c)	SEVEN.	
" Deck next below	ONE.	
As per Rule	SEVEN.	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	28-26	6x3x30 BA	29 1/2		
" " " "					
" " " "					
" " Holds	11.9	41-30	11x3 1/2x43 BA	29"	
COLLISION (in Hold)	52-31	10x3 1/2x40 BA	24"	W.T. FLAT & SEMI-BOX BEAMS	
AFTER PEAK	75-30	7x3x33 BA	24"	TUNNEL RECESS	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE KEEL			
STEM	ROLLED 10x2 3/8			
STERN FRAME { Propeller Post	UPPER CASTING STREAM LINED CASTING BY STROMMEN'S			
{ Rudder	LOWER FORGING SEAPROOF YERK STEP OF STROMMEN'S PLAN FOR FORGING BY BURMEISTER & WAIN OF COPENHAGEN			
Speed of Vessel	14 1/2 KNOTS			
RUDDER-Type	BALANCED STREAM LINED			
" A x D	395		DARLINGTON FORGE CO	
" Diam. of head	10 1/2		NOSE PIECE BY STEEL CO OF SCOTLAND.	
" Mainpiece at top pintle	14"			
" " heel ...	12" SQUARE			
" how constructed	DOUBLE PLATE BUILT RUDDER WITH FORGED MAINPIECE CAST NOSE PIECE			
" double or single plate coupling, vertical or horizontal	DOUBLE PLATE .50 THICK			
	NO COUPLING			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) (OPEN HEARTH). COLVILLES, STEEL CO OF SCOTLAND, LANARKSHIRE.

Has the Steel been tested as required by the Rules? YES.

EQUIPMENT No 40886 ✓										LETTER <i>bt</i> ✓		ANCHORS.				
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
98312	1st Bower ...	70	0	0	Stock Less			53	15	0	0	69	HALLS LATEST IMPROVED	N. HINGLEY & SONS	NETHERTON 9/6/39	J.A. RELF
98475	2nd „ ...	69	3	0	--			53	12	2	0	69	" " "	- Do -	" 22/9/39	"
98308	3rd „ ...	69	2	20	--			53	12	2	0	69	" " "	- Do -	" 9/6/39	"
	Collective weight.	209	1	20								207 ✓				
98473	Stream	20	2	4 ✓	5	1	7 ✓	21	5	3	21	20 1/2 ✓	ORDY FGD WROT IRON	N. HINGLEY & SONS	NETHERTON 20/9/39	"

CHAIN CABLES.											HAWSERS AND WARPS.						
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
89788	150	2 3/8	101 1/2	142 1/2	424.2.3	844.1.0	300	2 3/8	SPID LINK	N Hingley & Sons	NETHERTON 6/6/39 J.A. RELF	TOWLINE...	130	5 (6x24)	70.9	130	5 (6x24)
89787	150	"	"	"	423.1.0	847.3.3			" "	- Do -	" "	HAWSERS & WARPS	2@100	2 3/4 (6x12)	15.2	2@100	2 3/4 (6x12)
	300											"	2@100	3" (6x12)	18.6	2@100	2 3/4 (6x12)
		Ins.						Ins.				"					
Iron Stream } Steel Wire }	120	5		52.8			120	5				"					
	(6x12)																

Steering Gear, Type (Power ~~or~~) *BROWN BROST CO, PATENT STEAM TILLER*. Alternative Means of Steering *COMBINED FRICTION DRIVE WHEEL ON 2ND DK*

Steering Chains (Size and Test) *2 - 24' LIFEBOATS*

Ceiling in Holds, thickness and material *2 1/2" B.P. UNDER HATCHES & OVER LIMBERS* Cargo Battens, thickness, material and spacing *6x2 W.P. SPACED 9" APART.*

Cargo Hatchways.-(Upper Deck) *COAMING 30" HIGH WITH REITH PATENT WEBS* Thickness of Hatches *3" W.P. FITTED WITH 3/8" STEEL STRIPS AT ENDS*

Size of Hatchways No. 1 (Fwd.) *20'-3" x 17'-0"* No. 2 *45'-0" x 17'-0"* No. 3 *9'-0" x 17'-0"* No. 4 *45'-0" x 17'-0"* No. 5 *18'-0" x 17'-0"* No. 6 *✓*

Number of Shifting Beams *No 1 = 3 : No 2 = 4 : No 3 = 1 : No 5 = 3*

Builder's Signature *For LITHGOWS LIMITED* *R Campbell*

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *No*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No*. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in accordance with the approved plans & in general conformity with the Societys Rules for the class contemplated. The materials & workmanship are of good quality. The fore & after peak tanks, double bottom tanks & deep tank have been tested as required by the rules & found satisfactory. The weather decks, watertight bulkheads & tunnel were hose tested & found satisfactory. The pumps, steering gear, windlass, W.T doors auxiliary steering gear & bilge suction were tried under working conditions & found satisfactory. The freeboard has been verified & the marks cut in on the vessels sides.

The amount of Entry Fee £ *10 : 0 : 0* Fees applied for, *19*

Freeboard Special Survey Fee.... £ *358 : 11 : 6* Received by me, *25th July 1940*

Travelling Expenses, if any £ *17 : 0 : 0*

I am of opinion the Vessel should be Classed *100.A.1.*

State whether the Vessel has been built under Special Survey *YES.* Signature *Kenneth Inglis*

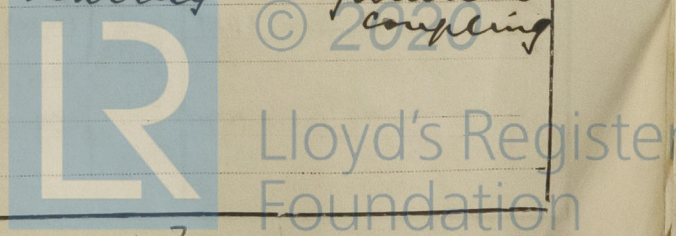
Certificate *5* be sent to *GREENOCK OFFICE* Date of issue *30/7/40*

Committee's Minute *Glasgow 23 JUL 1940*

Character assigned *1-100A1*

Lloyds A.S.C.P *1- Linc 7.40*

L.P. Turbine with D.R. Gearing & hydraulic coupling



GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Plans of vessel as built, approved plans, & forging reports are forwarded to London.

This vessel is a sister vessel of the S.S. Baruster. Greenock first entry report No 20765.

PARTICULARS OF ELECTRIC WELDING (if employed)

Hold pillars welded top & bottom, butto & tripping brackets to flanged plate girders welded, corner bars at tank ends & at bulkheads. Midship butts on shell. Strake above bilge welded flush & ribs riveted butts & trap fitted inside. Heads & heels of all solid pillars welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

CRUISER STERN, LLOYDS A & C.P. Cem

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 45.3.3 : N.S. : 2149 : 18.1.39.
2nd " 47.1.19 : N.S. : 1487 : 29.10.36.
3rd " 45.2.2 : N.S. : 2151 : 18.1.39.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 47.25 ft., R.Q.D. ft., Bridge 144 ft., Forecastle 43 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 166,295

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703) 459.6

No. and Material of Decks 2 DKS.

Parts of Bottom of Vessel coated with cement or approved composition YES

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	121'-6"	287	Fore peak tank,		71
Double bottom, under Engines and Boilers,	67'-6"	326	After peak tank,		62
Double bottom, if under Engines only,			Deep tank, aft,	33'-9"	732
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	184'-6"	622	Other tanks, if fitted,		
Total length (if continuous) and Capacity	373'-6"	1235	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3481

Date 22nd JUNE 1939

Dates of Surveys held while building

(1939) JULY 28. AUG. 10. 18. 21. 31. SEPT. 6. 9. 12. 15. 20. 21. 26. 27. 29. OCT. 2. 4. 6. 10. 13. 17. 23. 24. 27. NOV. 3. 9. 14. 15. 16. 21. 22. 24. 28. DEC. 1. 6. 12. 13. 18. 19. 22. 26. 29. (1940) JAN. 11. 9. 10. 15. 16. 17. 19. 23. 25. 29. 31. FEB. 2. 5. 6. 9. 8. 13. 14. 15. 19. 20. 24. MAR. 1. 8. 14. 22. 26. APR. 3. 10. 19. JUNE 28. JULY 4. 10.

Total No. of Visits 44