

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

Oct 8th 1928

Port of

Belfast

No.

10,047

Survey held at

Belfast

Date First Survey

Jan 27th 1927

Last Survey

October 3rd

1928

On the

Twin Screw

"HIGHLAND MONARCH"

(machinery amidships)

State Type

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

Complete Superstructure without tonnage openings

State Type of Erections

Bridge & Galle

TONNAGE under Tonnage Deck...

11604.89

CLASS 100 A1

State if with freeboard as condition of Class

Yes.

Built at

Belfast

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

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

L 520

Launched

3rd May 1928 Yard No. 751

Total

11604.89

Breadth (greatest moulded)

B 69

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

D 41.83

43.75

Builders

Harland & Wolff Ltd

Owners

Nelson Steu Nav. Co. Ltd

Gross Tonnage

14136.76

Register Tonnage

8734.39

1st Longitudinal Number (L x D) = 21752

2nd Numeral L x (B + D) = 57632

Managers

H & W Nelson Ltd

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

Residence

London

Port of Registry

Belfast

If surveyed while building, afloat, in dry dock

Yes.

REGISTERED DIMENSIONS.

FEET.

Length

523.4

Breadth

69.4

Depth

37.15

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

8.25

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

11.89

Do. Long Bridge to top of keel

9.95

Draught Moulded

28.0

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	7 1/2 3 1/2 44	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	7 1/2 3 1/2 38	7 + 3 1/2 + 44
" " in peaks	24		" " Vertical Struts	7 1/2 3 44	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	51 54 65	
Frame Amidships, Angle, [or]	7 3/4 x 3 1/2 x 30 W 50 F 16 Upper Bridge Dks Althly.		" " top Angles	5 5 59	single
" " Extends up to	2 1/2 x 3 1/2 x 30 W 50 F 16		" " bottom Angles	5 5 67	single
Reversed Frame Amidships, Angle	3 3 36		Side Girders, No. each side and thickness	3 20 42	
" " Extends up to	Side Stringer		Margin Plate	6 6 58	
Depth of Framing Girder	9"		" " Vertical Angles to Tank side	3 1/2 3 1/2 49	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	7 3/4 x 3 1/2 x 30 W 50 F 16		" " Vertical Angles to Tank side	6 6 49	
do. " " Second 'tween Decks, Angle, [or]	7 3/4 x 3 1/2 x 30 W 50 F 16		" " Gussets, spacing and scantling		
" " " " " " " "	7 3/4 x 3 1/2 x 30 W 50 F 16		" " Gussets, spacing and scantling		
Frame in Peaks, Angle, [or]	8 3 1/2 50		Tank Side Brackets, height above base line at toe of Frame and thickness	31 48	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1 7/8 6 5/8 1 1/2 4 3/4		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	59 59 51	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	4 x 3 1/2 x 50 W 50 F 16		Thickness of remainder in Holds	48 48 44	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 1/2 x 3 1/2 x 30 W 50 F 16		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Brackets and Beller Room	As approved	
Strengthening in Motor Room			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	5 wds 36 x 42 spaced		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	
Height of Brackets at side above base line at toe of frame	8 x 3 1/2 x 42 BA face bars		" " in way of Bridge, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	
Middle Line Keelson, on Floors, Angles, [or]	Side Stringer 36 x 40		Spacing	27	
" " " Through Plate or Intercoastal Plate	with 3 x 3 x 40 face bar		Second Deck, amidships, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	clear insulation in way "
" " " Foundation Plate on Floors			Spacing	27	
" " " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	clear insulation in way "
Side Keelsons, No. each side			Spacing	27	
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	
" " Angles			Spacing	27	
DOUBLE BOTTOM.			Fifth Deck, amidships, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	
Solid Floors, thickness and spacing	42 6-9"		Spacing	27	
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	
Bracket Floors, breadth and thickness at middle line	36 1/2 42		Spacing	27	
" " breadth and thickness at margin plate	52 42		Forecastle Deck, Angle, [or]	8 x 3 1/2 x 3 1/2 x 39 W 52 F	
			Spacing	27	

PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS , No. of Rows.....	Three			
" in 'tween Decks Size and Spacing.....	In way of Bridge { 3 1/8, 3 3/8, 4 1/2, 5, 5 3/8 dia spaced 6'-9"			
" " clear of Bridge { 3 1/8, 3 3/8, 4 1/2, 5' dia spaced 6'-9"				
" " In way of Bridge 5 3/4" dia 6'-9"				
" " clear of Bridge 5 3/4" dia 6'-9"				
Centre Line Bulkhead.				
Stiffeners and Spacing.....	✓			
Plating, thickness of	✓			
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	74 ✓ .88			
" " " " in way of Bridge	74 ✓ .48			
" Angle in Wells	6 x 6 x .88			
Thickness of Plating abreast Deck openings } in way of Wells60 to ✓ .56			
Thickness of Plating abreast Deck openings } in way of Bridge44 - ✓ .46 to .38			
Thickness of Plating within line of openings..	.36 in Bridge			
If Sheathed, material and thickness	5-2 1/2 PP aft 8 m accommodation 1 1/2 Asphalt where exposed			
Second Deck.				
Stringer Plate, breadth and thickness in Wells...	70 .48 to .44 ✓			
Stringer Plate, breadth and thickness in way of Bridge	70 .48 to .44 ✓			
Thickness of Plating abreast Deck openings } in way of Wells44 to .40 ✓			
Thickness of Plating abreast Deck openings } in way of Bridge40 ✓			
Thickness of Plating within line of openings..	.36 to .34 ✓			
If Sheathed, material and thickness	5-2 1/2 PP in Acacia forward 7 aft 1 1/2 Asphalt Enigrauli's space			
Third Deck.				
Stringer Plate, breadth and thickness.....	70 .34 in Bridge ✓			
If Plated, state thickness.....	.38 to .34 ✓ .30 in Bridge ✓			
Fourth Deck.				
Stringer Plate, breadth and thickness.....	70 .34 to 41 x .34 ✓			
If Plated, state thickness30 ✓			
Fifth Deep Deck.				
Stringer Plate, breadth and thickness	70 x .34 to 41 x .34 ✓			
Plating, Sheathing, material and thickness30 ✓			
Bridge Deck.				
Stringer Plate, breadth and thickness.....	74 x .56 ✓ 74 x .82 struts abreast open side			
Plating, Sheathing, material and thickness ..	.48 x .46 ✓ 5 x 2 1/2 PP			
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	64 .42 ✓			
Plating, Sheathing, material and thickness ..	.38 5 x 2 1/2 PP 10 x 4 Teak under woodlass			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>NO</i>			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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	62	1.21	.94	.97		Double	1 1/4	4 3/4	5	1 1/4	5 1/2	<i>lapped.</i>	
<i>In way Bent Keel</i> " <i>Base (if any)</i>	62	1.21	1.21	✓		"	1 1/4	4 3/4	5	1 1/4	5 1/2	"	
BOTTOM PLATING, No. } of Strakes 5	73 70 70 70	.70	.73 .70 .66 .62	.68 .62 .62 .62		"	7/8	3 3/8	4	7/8	3 1/2	"	
BILGE PLATING, No. of } Strakes 1	70 1/2	.70	.64	.64		"	7/8	3 3/8	4	7/8	3 1/2	"	
SIDE PLATING, No. of } Strakes 5	73 70 69	.70	1-.56 4-.52	1-.60 2-.52		"	7/8	3 3/8	4	7/8	3 1/2	"	
UPPER DECK, Sheer- strake in Wells	80	✓	4 1/2 .52	10 1/2 .52	<i>4 1/2 Orbits at Breaks fored aft</i>	"	1 7/8	3 1/2 3 3/8	5 to 4	1 1/8 7/8	5 1/2 3 1/2	"	
UPPER DECK, Sheer- strake in Bridge ...	80	.70	✓	✓		"	7/8	3 3/8	4	7/8	3 1/2	"	
STRAKE BELOW Sheer- strake in Wells	77 1/2	✓	80 1/2 .52	80 1/2 .52		"	1 7/8	3 1/2 3 3/8	4	1 7/8	4 1/2 3 1/2	"	
STRAKE BELOW Sheer- strake in Bridge ...	77 1/2	.70	✓	✓		"	7/8	3 3/8	4	7/8	3 1/2	"	
POOP SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	47 66	.64 & .68	.88	<i>Standard abreast open side</i>		Double	1 7/8	3 1/2 3 3/8	5 to 4	1	4 1/2 1/4	<i>lapped</i>	
FOREC'TLE SIDE PLATING	✓	✓	.46	✓		"	3/4	3	3	3/4	2 5/8	<i>lapped.</i>	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any departure from approved plans to be noted.	
Extending to Upper Deck (Sec. 3 c).....		One					
,, Deck next below.....		Eight.					
As per Rule.....		Eight.					
	Plating Thickness.	STIFFENERS.					
		VERTICAL.		HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D,	2 nd Upper tween decks	27'-26"	4'-2 1/4" x 38	29'-30"	✓	✓	
"	3 rd Second "	32'-27"	5'-2 1/2" x 46	29'-30"	✓	✓	
"	4 th Third "	34'-32"	6'-3" x 46	29'-30"	✓	✓	
"	Holds	43'-36"	7'-3" x 44	29'-30"	✓	✓	
COLLISION	(in Hold)	48'-36"	8'-3" x 44	24" S.B. Beam W.T. Flat			
AFTER PEAK	"	66'-34"	7'-3" x 42	23" x 24" W.T. Flat			
KEEL, Bar		Upper. Rolled 11 x 23 1/4		Daniel Colville & Sons Ltd			
STEM		Forefoot. Casting Open Section		Blake Alloy Steel Co Ltd			
STERN FRAME {		Propeller Post		Open		Barlington Forge	
		Rudder "		Casting Section		Co Ltd.	
RUDDER—A x D		As per approved plan		Barlington Forge			
Speed of Vessel		15.9 knots		Co Ltd.			
RUDDER mainpiece at head ...		16" dia					
" " heel ...		12" dia					
" how constructed		Forged and shrunk on keel.					
" double or single plate		Single					
" coupling, vertical or horizontal		Horizontal					

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth Process*
Plates & Angles. David Colville & Sons Ltd

Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. <i>63425</i>												LETTER <i>27</i>	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 33.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Owts.			
<i>17266</i>	<i>1st Bower</i> ...	<i>100</i>	<i>3</i>	<i>0</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>67</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>99 1/3</i>	<i>Sykes Britannia Type</i>	<i>R. Sykes & Son Ltd</i>	<i>Cardiff 31/1/28 A. Jones.</i>
<i>17267</i>	<i>2nd "</i> ...	<i>100</i>	<i>2</i>	<i>0</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>67</i>	<i>7</i>	<i>2</i>	<i>0</i>	<i>99 1/3</i>	<i>do</i>	<i>do</i>	<i>do do do</i>
<i>17265</i>	<i>3rd "</i> ...	<i>100</i>	<i>2</i>	<i>0</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>67</i>	<i>7</i>	<i>2</i>	<i>0</i>	<i>99 1/3</i>	<i>do</i>	<i>do</i>	<i>do do do</i>
	<i>Collective weight.</i>	<i>301</i>	<i>3</i>	<i>0</i>								<i>298</i>			
<i>17268</i>	<i>Stream</i>	<i>31</i>	<i>2</i>	<i>0</i>	<i>7</i>	<i>3</i>	<i>14</i>	<i>29</i>	<i>15</i>	<i>0</i>	<i>0</i>	<i>31</i>	<i>Common Anchor & Stock</i>	<i>do</i>	<i>do do do</i>

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.	Statu-tory.	Break-ing.	Supplied.			Per Rule.	Length.	Diam.					Length.	Cir.			
					Owts.	qrs.	lbs.											Owts.	Fathoms.
3/577	330	2 1/16	193 1/4	196 7/8	13/9	0	0	13/7	330	2 1/16	Stud Link	R. Sykes & Son Ltd	Cardiff. 31/1/28. A. Jones	TOWLINE...	2-130	5	73	130	7
	Extra 2 fms. 2nd hatches 8-0-21													HAWSERS & WARPS	4-120	2 3/4	15 1/2	4-120	2 3/4
	" 2 fms. 3rd hatch " 4-0-0															8 coils 90 fms 8" Manila.			
Less Stream Chain or Steel Wire	120	6		100					120	6	A. Thompson, Plunkett & Co. Birmingham	Makeast Certificate issued.							

Steering Gear, *Steam* *Harland & Wolff* *Yale-Shaw* *Martineau* Steering Gear, *Hand*

Boats *14 lifeboats* Steering Chains, Size and Test *✓* Windlass *J.H. Wilson & Co. Electric*

Ceiling in Holds, thickness and material *Insulated* Cargo Battens, thickness, material and spacing *6" x 2" x 1/2" spaced 12" apart*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *22'-6" x 16'-0"* No. 2 *24'-9" x 16'-0"* No. 3 *24'-9" x 16'-0"* No. 4 *20'-3" x 16'-0"* No. 5 *20'-3" x 16'-0"* No. 6 *20'-3" x 16'-0"*

Number of Shifting Beams and/or Fore and Afters *5 in each of nos 1, 2, 3 hatches. 2 in each of nos 4, 5, 6 hatches.*

For HARLAND AND WOLFF, LIMITED.

Builder's Signature

Chas. Lays

GENERAL DECLARATION *This vessel has been built in accordance with the plans approved by the Committee, the Secretary's letters, and in general conformity with the Rules. The workmanship and materials are good. The Double Bottom Tanks, Peak Tanks, Oil Fuel Bunkers, and Cofferdams have been tested as required by the Rules with satisfactory results. The Weather Decks and W.T. Bulkheads have been satisfactorily hoistested. The Steering Gear, Windlass, Bilge Pumps and Hand Pumps have been satisfactorily tested under working conditions and also the W.T. Doors. The freeboard has been verified and cut in on the vessel's sides. The vessel is insulated for the carriage of frozen meat in all holds and tween decks below the 2nd Deck and also in No 2 Upper Tween Decks.*

The amount of Entry Fee £ *12 : 0 : 0* Fees applied for, *8-10-1928*

Special Survey Fee.... £ *501 : 14 : 3* Received by me, *12-10-28*

Freeboard *15 : 0 : 0*

Travelling Expenses, if any £

I am of opinion the Vessel should be Classed *+100A1 with Freeboard.*

Tested for Oil Fuel 10, 28 FF above 150° F

Drip keel fwd of Main space 169'

State whether the Vessel has been built under Special Survey *yes.*

Signature *S.H. Kendall, J. Ash Rennie*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *This office* Date of issue *19/10/28.*

Committee's Minute

TUE. 16 OCT 1928

Character assigned

+ 100 A1 With Freeboard

Lloyd's A & C.P.

+ LMC 10.28 C1

Oil Engines

S.B. 100lb.

W. H. Ash

My



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Lloyd's Register Foundation

00112/2

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.)

The approved plans 46m No also 8 trying & casting reports are forwarded herewith. Please return plans for reference in dealing with vessels building.

List of Plans Midship Section, Profile, Decks, Promenade Deck, Boat Deck, Bulkheads, Stiffening at No 57 Bkd, Framing in No 1 Hold & Eng. Rm, Amended Framing in Double Bottom, Engine Seating, Motor Casings, Brackets to sides of Motor Casings, Brackets at sides of Crank Pits, Pulling of after Hatchways, Pulling of forward Hatchways, Pulling in No 1 Hold, Pulling under Refractory Machinery, Girders under Duct Keel Pulling, After End Framing, Steam Cauts, Steamframe & Box Arms, Rudder, Oil fuel Brackets, Midship Bulkhead in Prom Deck, Midship Bulkhead in Bridge Deck, Topside Plating, Alternative Angt Topside Plating, Topside Plating aft end of forecabin, Tankends Brackets No 1 & 5 Holds, Bridge Fore Stiffening, Beam Knee Compensation, Stiffening under Emergency Dynamo, Doors to Oil filling Stations, Doors to Stores Entrance, Tank Top Plating under Aux Mchry, (2) Amended rails on 4, 5, 6 hatches, Pumps and Angt, Oil fuel filling Pipes & Thermometer Tubes, Oil fuel Air & Overflow Pipes, Oil Tank Depth Recording Gauges, Scuppers for Kinked Holds, Collision Scuppers, Evaporator Rm Scuppers, 18" Square Pits in Sheerstrake, Teller for Electric Hydraulic Steering Gear.

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

1st Bower	61-1-8 (including pins)	C.H.S.	1857.	8/12/27.
2nd "	61-2-15 (do)	C.H.S.	1860	8/12/27.
3rd "	62-0-6 (do)	C.H.S.	1856	8/12/27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 186.75 ft., Forecastle 101 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 4 Dks (SH) Upws 5th DK (SH) in No 2, 3, 4, & 6 Holds.

Official No. 148158 ; Signal Letters

Is bottom of Vessel coated with cement No. except if not given particulars of composition Cofferdams & Duct Keel painted Nothing in O.F. double bottom tanks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	148.5	594	Fore peak tank,	26.0	70
Double bottom, under Engines and Boilers,	65.25	328 FW	After peak tank,	20.0	234
Double bottom, under Engines only, ^{Motor} _{and overflow}	67.5	94.5	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, Oil fuel	31.5	220	Deep tanks forward, Oil fuel	31.5	1606
Double bottom, forward,	190.75	756	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		1992.5	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 779

Date 17/5/27.

Dates of Surveys held while building

1927. Jan 27, May 3, 5, 9, 10, 11, 16, 17, 18, 25, 31, June 8, 9, 13, 23, 29, July 20, Aug 1, 4, 9, 16, 17, 18, 19, 22, 23, 24, 26, 26, 29, 30, Sept 1, 3, 9, 15, 22, 26, Oct 3, 10, 11, 13, 17, 18, 19, 20, 24, 25, 27, 28, 31, Nov 2, 4, 9, 10, 17, 21, 29, 25, 28, 31, Dec 2, 5, 6, 8, 14, 16, 19, 22. 1928. Jan 2, 4, 5, 6, 10, 11, 13, 16, 18, 19, 20, 23, 24, 25, 27, Feb 1, 2, 6, 7, 8, 9, 10, 11, 20, 21, 25, 29, Mar 1, 5, 6, 7, 9, 12, 13, 14, 16, 20, 28, April 2, 3, 4, 5, 11, 13, 14, 16, 17, 18, 19, 21, 23, 24, 25, 26, 27, 30, May 2, 3, 9, 10, 18, 19, 23, 24, 30, June 6, 8, 11, 12, 13, 14, 15, 19, 24, 27, July 2, 5, 18, 20, 25, Aug 1, 3, 6, 10, 15, 16, 20, 23, 24, 29, 30, 31, Sept 5, 7, 12, 17, 19, 27, 28, Oct 1, 2, 3. Total No. of Visits 173