

| Home Team | Result | Away Team | Date | Time Status |
|------------------------|---------------|------------------------|---------------|--------------------|
| Ecclesall C | 2½ - 3½ | Chesterfield B | Wed 27 Sep 23 | 19:30 OU |
| Sheffield University B | 3 - 3 | Chesterfield B | Thu 12 Oct 23 | 19:30 OU |
| Chesterfield B | 5 - 1 | Woodseats B | Thu 26 Oct 23 | 19:30 OU |
| Chesterfield B | 1 - 5 | Sheffield Nomads C | Thu 23 Nov 23 | 19:30 OU |
| Darnall & Handsworth C | 2 - 4 | Chesterfield B | Mon 27 Nov 23 | 19:30 OU |
| Barnsley B | 4 - 2 | Chesterfield B | Tue 19 Dec 23 | 19:30 OU |
| Chesterfield B | 4 - 2 | SASCA B | Thu 18 Jan 24 | 19:30 OU |
| Chesterfield B | 3½ - 2½ | Sheffield University B | Thu 22 Feb 24 | 19:30 OU |
| Woodseats B | 3 - 3 | Chesterfield B | Mon 26 Feb 24 | 19:30 OU |
| Chesterfield B | 4 - 2 | Ecclesall C | Thu 14 Mar 24 | 19:30 OU |
| Chesterfield B | 5 - 1 | Darnall & Handsworth C | Thu 21 Mar 24 | 19:30 OU |
| Sheffield Nomads C | 1½ - 4½ | Chesterfield B | Tue 26 Mar 24 | 19:30 OV |
| Chesterfield B | 4 - 2 | Barnsley B | Thu 4 Apr 24 | 19:30 OU |
| SASCA B | 5 - 1 | Chesterfield B | Mon 29 Apr 24 | 19:30 OU |