

COURSE REPORT Consultancy Report

VENUE | Hillside Golf Club

REPORT NUMBER | PP2022/569

PREPARED FOR | Hillside GC


PREPARED BY | Niall MacPhee

DATE | 21/07/2022



Independent Assessment

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USAGE		
Number of rounds since last test	200	
Number of Annual Rounds	20000	
CONDITIONS DURING VISIT		
Surface Condition (dry or wet)	Dry	
Surface Temperature (°C)	16.0	
WEATHER CONDITION	START	END
Ambient Temperature (°C)	19	3.96
Humidity (%RH)	57	90
Maximum Wind Speed (km/h)	24.08	9.25
Pressure (mm)	1017	1039
Signature		
Date	21/07/2022	
Test Laboratory	Propitch Ltd	

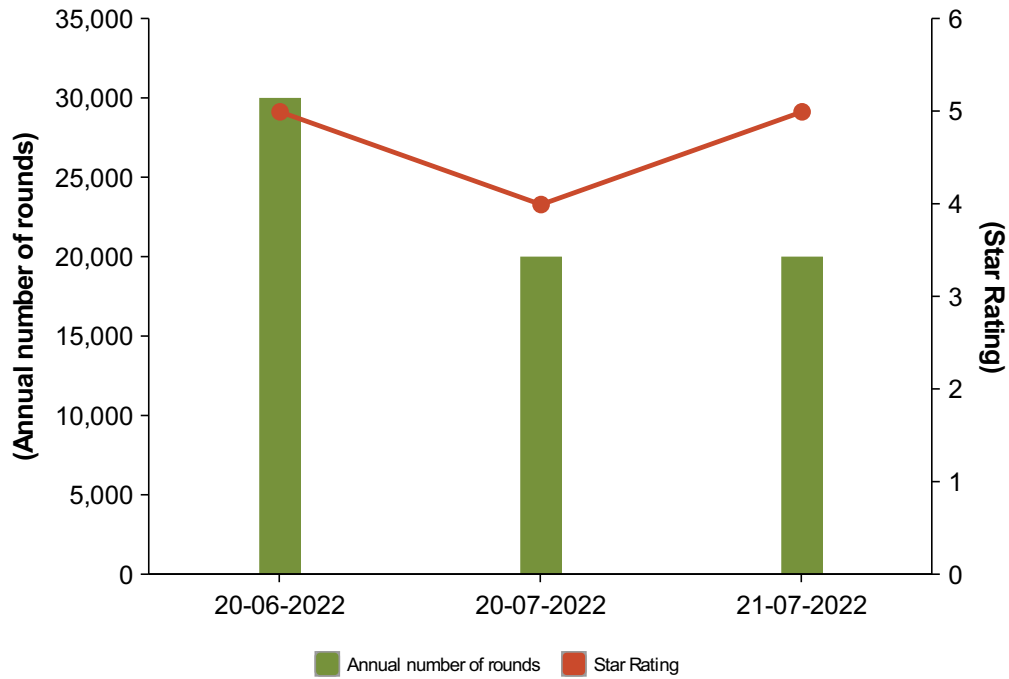


The greens have achieved a rating of 5 star

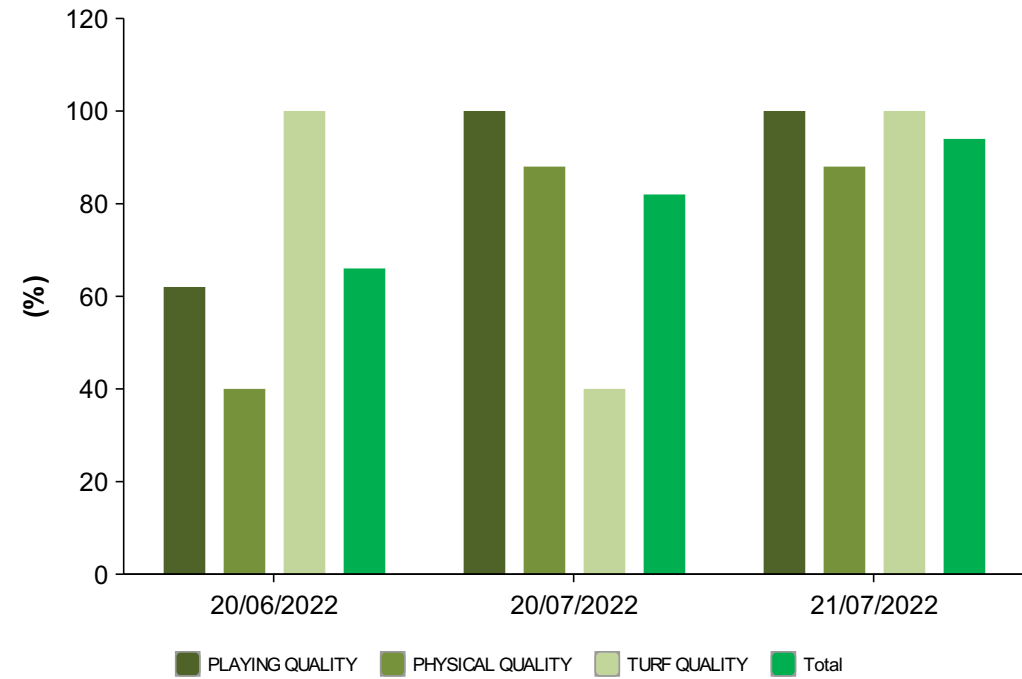


SITE DETAIL	
Course Name	Hillside Golf Club
Address	37 Hastings Rd, Southport PR8 2LW, UK
Contact	Chris Ball - Links Manager
Contact Number	Redacted
Email Address	Redacted
Grass Type	Greens - Browntop Bent, Annual Meadow, Fescue
Date of Visit	21/07/2022
Date of Last Visit	20/07/2022
Type of mower	Ride on Triple
Greens rolled	Yes
Construction Type	Natural
ASSESSMENT DETAILS	
Assessment Type	DP World Tour (Links)
Test Status	Independent Assessment

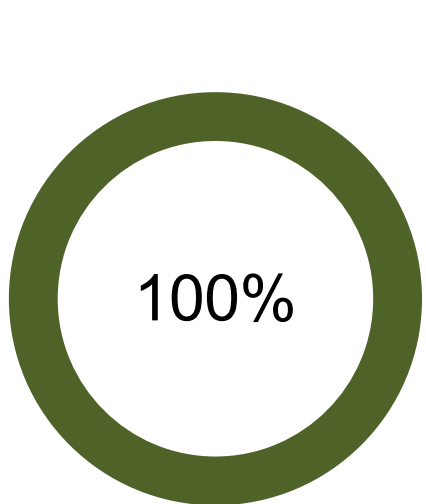
Annual number of rounds V Star Rating



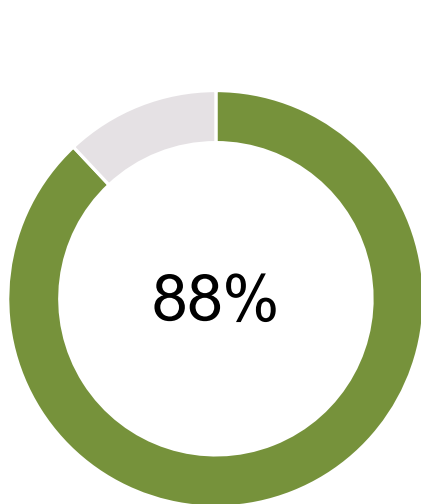
Score Summary



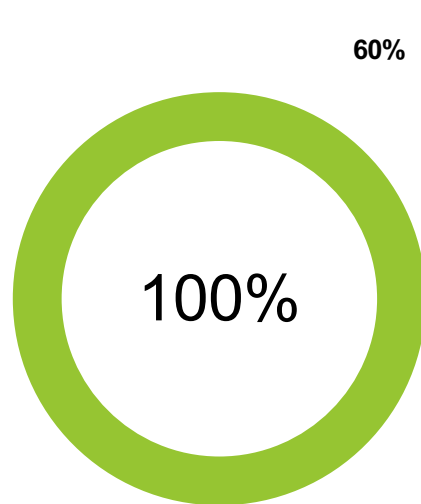
Disclaimer: The data contained within this document has been collected on the day of quality assurance only (date specified above).



PLAYING QUALITY

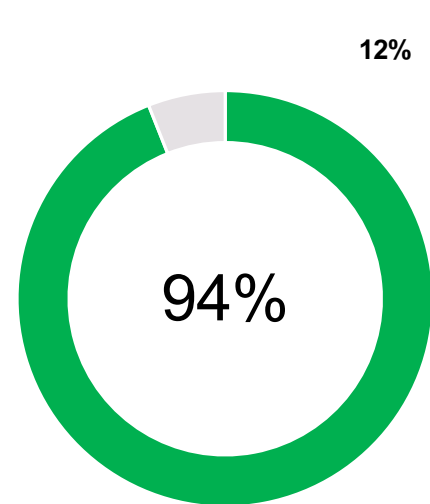


PHYSICAL QUALITY



TURF QUALITY

60% ↑



Total

12% ↑






Note: % changes from previous assessment shown beside graph.

STAR RATING 5 STAR

SCORE SUMMARY

Category	Score	Score %
PLAYING QUALITY	15 out of 15	100 out of 100%
PHYSICAL QUALITY	22 out of 25	88 out of 100%
TURF QUALITY	10 out of 10	100 out of 100%

Total Score:	47 out of 50	94 out of 100%
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Star Rating	Score
	0 - 25
	25 - 32
	32 - 38
	38 - 45
	45 - 50

EXECUTIVE SUMMARY

The course has been presented in great condition for the players and will be monitored through out the tournament. In addition to this report a TrueTrack Assessment has been carried out on each green prior to play, A 'TrueTrack' assessment assesses vertical and horizontal ball roll deviation during the stimp meter test and uses camera technology with unique ball tracking software and algorithms.

Observations and recommendations were discussed on site after publication of the report in preparation for the next days play. This collection of data is from Round 1 of the DP World Tour Cazoo Classic taken prior to the players going out on the course at Hillside Golf Club. The testing was carried out on all 18 greens and approaches with several testing teams taking approximately 8 minutes per green.

The ProPitch DP World Tour Assessment and scoring within our system has been created for this tournament and has individual scoring for Playing Quality, Physical Quality and Turf Quality. These score accumulatively equate to a ProPitch star rating as represented in this report. Trending to the previous days capture is also available within the report and on the mobile and portal for all tests undertaken.

An independent consultant from ProPitch was in each test team that carried out the testing between 05.30 and 08.30 in the morning.

1. PLAYING QUALITY										GREEN SCORE														
TEST	Ranges	Green 1	Green 2	Green 3	Green 4	Green 5	Green 6	Green 7	Green 8	Green 9	Green 10	Green 11	Green 12	Green 13	Green 14	Green 15	Green 16	Green 17	Green 18	Average Total Green Score	Previous Average Green Score	Possible Rating	Awarded Rating	Awarded Score (%)
Stimp Speed (cm) Golf	>9'6ft																					5	5	100
	8'6ft - 9'6ft	309	295	314	319	313	303	346	304	283	310	300	295	310	318	309	316	312	328	310 (10'2")	310 (10'2")	3		
	8ft - 8'6ft	(10'1.7")	(9'8.1")	(10'3.6")	(10'5.6")	(10'3.2")	(9'11.3")	(11'4.2")	(9'11.7")	(9'3.4")	(10'2")	(9'10.1")	(9'8.1")	(10'2")	(10'5.2")	(10'1.7")	(10'4.4")	(10'2.8")	(10'9.1")			1		
	< 8ft																					0		
Stimp Consistency (cm) Golf	0'6ft																					10	3	30
	±/0'6ft to 1ft	-1	-15 (0'-5.9")	4 (0'1.6")	9 (0'3.5")	3 (0'1.2")	-7 (0'-2.8")	36 (1'2.2")	-6 (0'-2.4")	-27 (0'-10.6")	0 (0'0")	-10 (0'-3.9")	-15 (0'-5.9")	0 (0'0")	8 (0'3.1")	-1 (0'-0.4")	6 (0'2.4")	2 (0'0.8")	18 (0'7.1")	36 (1'2.2")	0	6		
	±/1ft to 1'6ft	(0'-0.4")																				3		
	±/>1'6ft																					0		
Section Total Score:																					0 - 15		8	
																					0 - 100%		53%	

2. PHYSICAL QUALITY										GREEN SCORE																
TEST	Ranges	Green 1	Green 2	Green 3	Green 4	Green 5	Green 6	Green 7	Green 8	Green 9	Green 10	Green 11	Green 12	Green 13	Green 14	Green 15	Green 16	Green 17	Green 18	Average Total Green Score	Previous Average Green Score	Possible Rating	Awarded Rating	Awarded Score (%)		
Irrigation applied last 72hrs (mm)	Information only (mm)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N/A	N/A	N/A	
Moisture at 40mm (%)	15 - 25																									
	10 - 15/25 - 35	12.2	14.3	8.2	12	13.9	16.9	17	12.7	7.1	12.8	10.1	8.9	13.6	7.6	7.8	6.8	8.9	9.9	11.1	13.4	5	2	40		
	< 10/> 35																					2				
																						0				
Greens Firmness (g) (Links)	110 - 160 g																									
	90 - 110 g	139	136	138	134	134	124	132	132	146	143	150	145	127	148	136	131	136	133	137	129	10	10	100		
	80 - 90 g																					6				
	>160 g/< 80 g																					3				
																					0					
Greens Approach Firmness (g) (Links)	110 - 160 g																									
	90 - 110 g	146	119	136	151	159	116	146	145	165	149	133	140	147	148	164	153	147	143	145	143	10	10	100		
	80 - 90 g																					6				
	>160 g/<80 g																					3				
																					0					
Section Total Score:																					0 - 25		22			
																					0 - 100%		88%			

3. TURF QUALITY							GREEN SCORE																		
TEST	Ranges	Green 1	Green 2	Green 3	Green 4	Green 5	Green 6	Green 7	Green 8	Green 9	Green 10	Green 11	Green 12	Green 13	Green 14	Green 15	Green 16	Green 17	Green 18	Average Total Green Score	Previous Average Green Score	Possible Rating	Awarded Rating	Awarded Score (%)	
Appearance	95 - 100%	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	90	10	10	100
	50 - 95%																						4		
	25 - 75 %																						2		
	0 - 25%																						0		
NDVI	0 - 1.0	0.71	0.73	0.72	0.71	0.73	0.74	0.72	0.76	0.71	0.73	0.74	0.74	0.71	0.74	0.71	0.72	0.75	0.74	0.73	0.74	N/A	N/A	N/A	
Greens cut height (mm)	Information only (mm)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	N/A	N/A	N/A
Section Total Score:																					0 - 10		10		
																					0 - 100%		100%		

OBSERVATIONS, RECOMMENDATIONS AND ACTION POINTS

Observations and recommendations were discussed on site after publication of the report in preparation for the next days play.

TEST LOCATIONS (EXAMPLE)

PROPIITCH

1 2 3
6 5 4
7 8 9
A1 A2 A3
A6 A5 A4
A7 A8 A9

LOCATIONS BY TEST

- Green Firmness 1 - 9
- Green Moisture Content 1 - 9
- Approach Firmness A1 - A9
- Total Ground Coverage, Green Cut Height 2, 5 & 8
- Mass Root Depth, Thatch, Infiltration 2, 5 & 8
- Disease - Full green walk over
- Stimp - On the same point as previous
- Stimp Consistency - Automatically calculated

TEST LOCATIONS (EXAMPLE)



SITE PHOTOGRAPHS



Description:- ProPitch Equipment



Description:- Green Rolling - Example

SITE PHOTOGRAPHS



Description:- Sward Height - Example



Description:- Stimp Speed Example

SITE PHOTOGRAPHS



Description: - TrueTrack Testing - Example

GLOSSARY

PLAYING QUALITY

Green Speed - measures a surface's pace or speed by determining the resistance the surface offers to a rolling ball.

Green Speed consistency - measures the variation in stimp reading on different greens

Firmness - measures the soil strength and consolidation levels in gravities.

PHYSICAL QUALITY

Rainfall - The amount of rainfall in the last 72 hours

Irrigation - The amount of irrigation applied in the last 72 hours

Moisture - The moisture content measured at 60mm depth

Infiltration Rate - measures how quickly water standing on the playing surface is able to pass into the soil profile.

TURF QUALITY

Total ground cover - is the percentage of grass cover over the entire turf surface.

Weed Grasses - is the percentage of weed grasses over the turf surface.

Sward Height - is the height the grass plant is being maintained.

Root Depth - measures the growth of the root system from a core sample.

Thatch Depth/Surface organic debris - measures the build-up of waste material on the surface.

Greens cut height - Using the free pile height prism to measure the grass height in millimeters



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