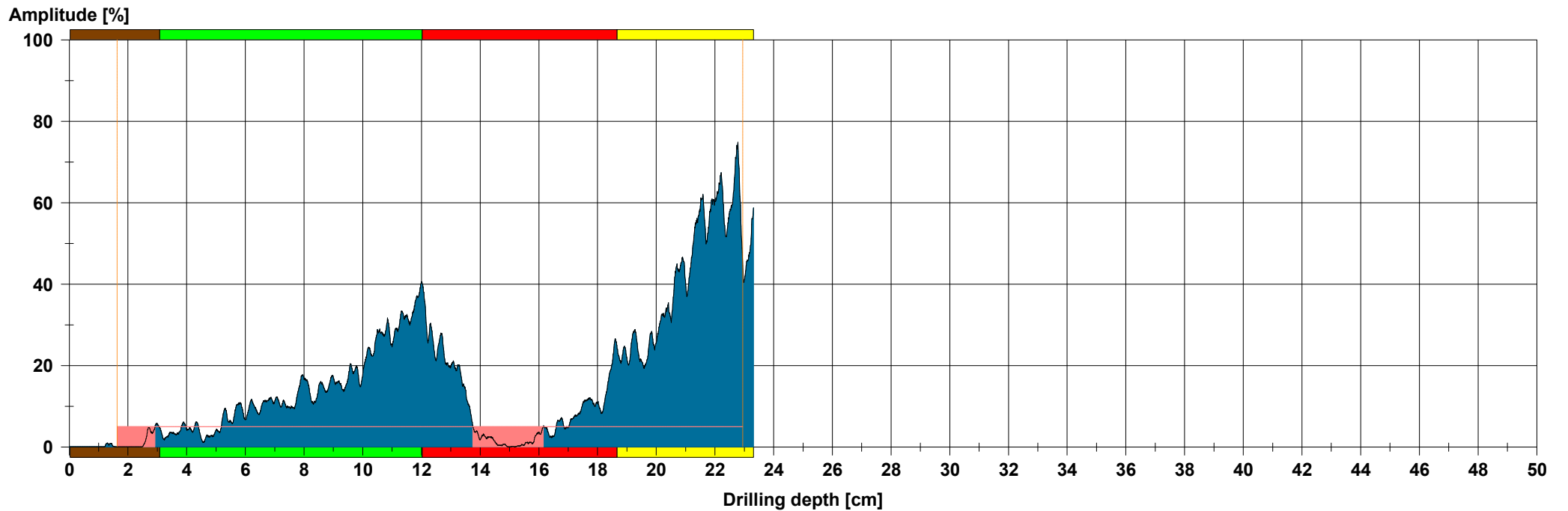


Measuring / object data

Measurement no.:	10	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak Basal N	Needle state:	---	Level	: Basal
Drilling depth	: 23,31 cm	Tilt	: -24°	Direction:	North
Date	: 20.12.2023	Offset	: 98 / 239	Species	: Oak
Time	: 14:41:59	Avg. curve	: off / off	Location:	Bettws y Coed Rd
Feed	: 100 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	1,63 cm / 22,95 cm
Length	: 21,32 cm
Cavity	: 3,70 cm (17,4%)



Assessment

	From	0,03 cm to	3,08 cm	: Bark
	From	3,08 cm to	12,03 cm	: Wood
	From	12,03 cm to	18,67 cm	: Severe decay/cavity
	From	18,67 cm to	23,31 cm	: Reduced quality wood

Comment

9cm of sound wood recorded before reaching a decay pocket which leads into redundant heartwood with high compressive strength. Drill terminates due to motor overload.

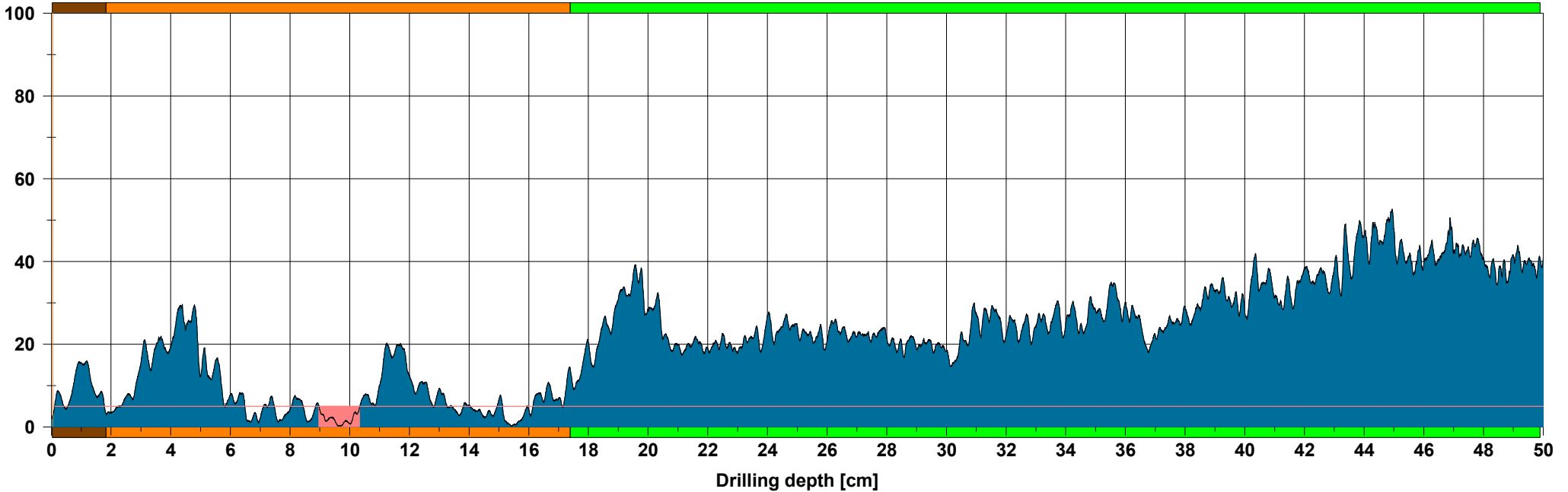
Measuring / object data

Measurement no.:	8	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak Basal S	Needle state:	---	Level	: Basal
Drilling depth	: 50,47 cm	Tilt	: -12°	Direction:	South
Date	: 20.12.2023	Offset	: 84 / 499	Species	: Oak
Time	: 14:38:22	Avg. curve	: off / off	Location	: Bettws y Coed Rd
Feed	: 100 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	0,05 cm / 50,44 cm
Length	: 50,39 cm
Cavity	: 1,37 cm (2,7%)

Amplitude [%]



Assessment

	From	0,03 cm	to	1,83 cm	: Bark
	From	1,83 cm	to	17,39 cm	: Decay
	From	17,39 cm	to	49,90 cm	: Wood

Comment

Outer basal wall decayed. Leads into internal heartwood for remainder of the drill curve.

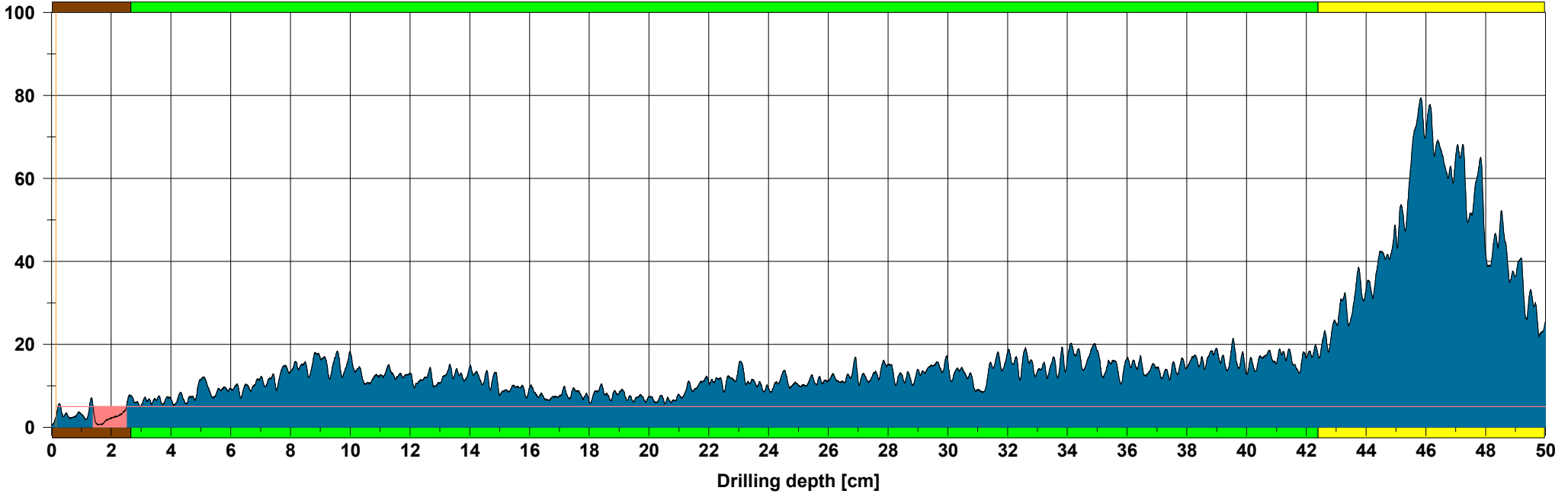
Measuring / object data

Measurement no.:	11	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak Basal N	Needle state:	---	Level	: Basal
Drilling depth	: 50,41 cm	Tilt	: -17°	Direction:	North
Date	: 20.12.2023	Offset	: 56 / 337	Species	: Oak
Time	: 14:42:35	Avg. curve	: off / off	Location	: Bettws y Coed Rd
Feed	: 50 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	0,15 cm / 50,35 cm
Length	: 50,20 cm
Cavity	: 1,12 cm (2,2%)

Amplitude [%]



Assessment

	From	0,03 cm to	2,66 cm	: Bark
	From	2,66 cm to	42,39 cm	: Wood
	From	42,39 cm to	49,97 cm	: Reduced quality wood

Comment

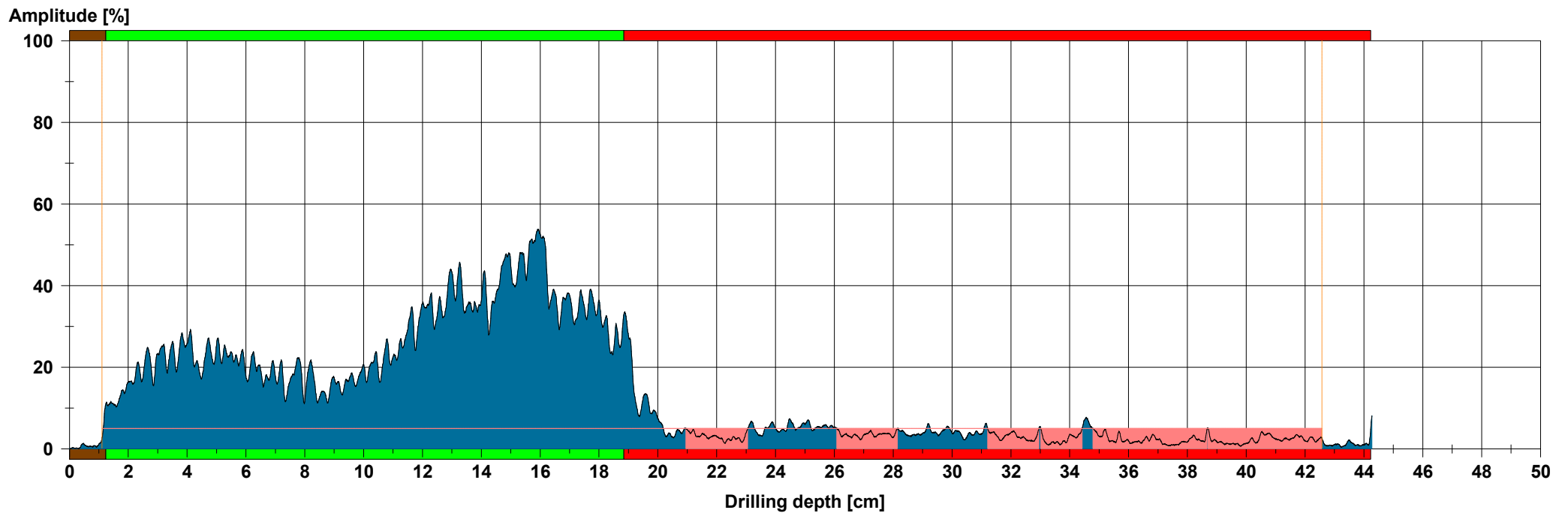
Drill speed reduced. Low amplitude wood is potentially modified wood and easy to pass through or tensile wood due to the trees lean/form. Heartwood reached at 42.5cm.

Measuring / object data

Measurement no.:	14	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak E BUTT	Needle state:	---	Level	: Basal
Drilling depth	: 44,27 cm	Tilt	: -36°	Direction:	East
Date	: 20.12.2023	Offset	: 75 / 287	Species	: Oak
Time	: 14:46:35	Avg. curve	: off / off	Location	: Bettws y Coed Rd
Feed	: 50 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	1,11 cm / 42,57 cm
Length	: 41,46 cm
Cavity	: 15,05 cm (36,3%)



Assessment

	From 0,00 cm to 1,24 cm : Bark
	From 1,24 cm to 18,85 cm : Wood
	From 18,85 cm to 44,23 cm : Severe decay/cavity

Comment

Significant decay recorded in the east buttress beyond 19cm.

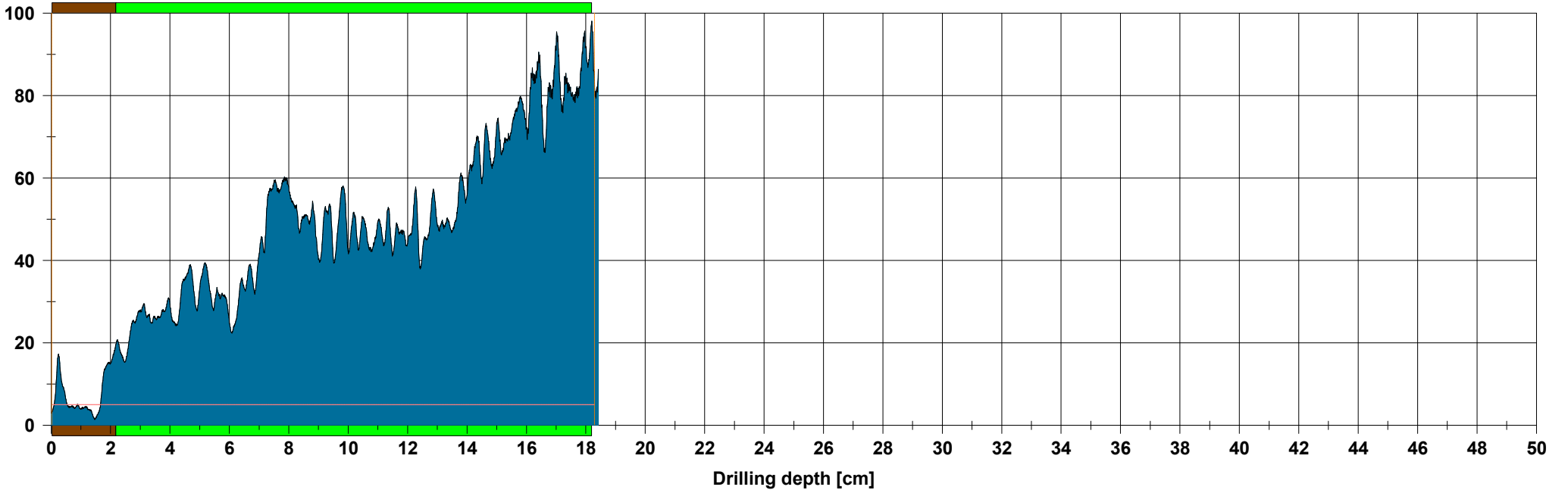
Measuring / object data

Measurement no.:	12	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak NE BUTT	Needle state:	---	Level	: Basal
Drilling depth	: 18,42 cm	Tilt	: -38°	Direction:	North East
Date	: 20.12.2023	Offset	: 63 / 334	Species	: Oak
Time	: 14:44:35	Avg. curve	: off / off	Location:	Bettws y Coed Rd
Feed	: 100 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	0,02 cm / 18,29 cm
Length	: 18,27 cm
Cavity	: 0,00 cm (0,0%)

Amplitude [%]



Assessment

From 0,03 cm to 2,18 cm	: Bark
From 2,18 cm to 18,19 cm	: Wood

Comment

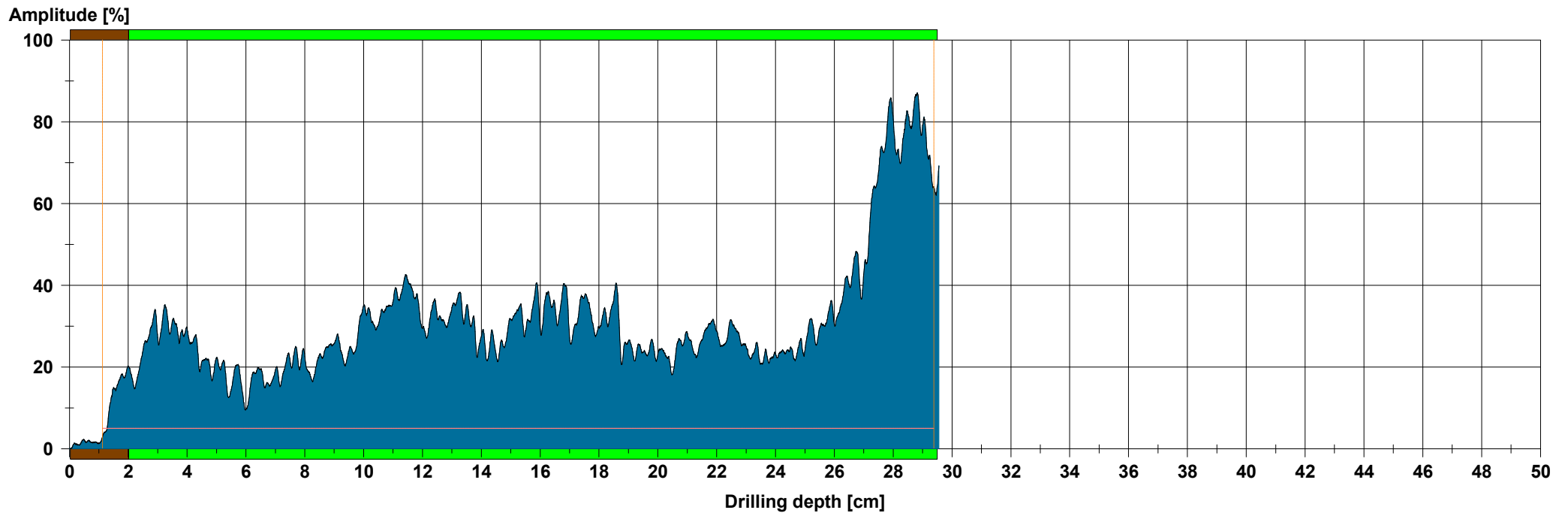
High amplitude. High compressive strength wood due to lean and wind exposure. Drill terminates due to motor overload.

Measuring / object data

Measurement no.:	13	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak NE BUTT	Needle state:	---	Level	: Basal
Drilling depth	: 29,55 cm	Tilt	: -40°	Direction:	North East
Date	: 20.12.2023	Offset	: 74 / 262	Species	: Oak
Time	: 14:45:11	Avg. curve	: off / off	Location	: Bettws y Coed Rd
Feed	: 50 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	1,12 cm / 29,38 cm
Length	: 28,26 cm
Cavity	: 0,00 cm (0,0%)



Assessment

	From 0,03 cm to 2,01 cm : Bark
	From 2,01 cm to 29,50 cm : Wood

Comment

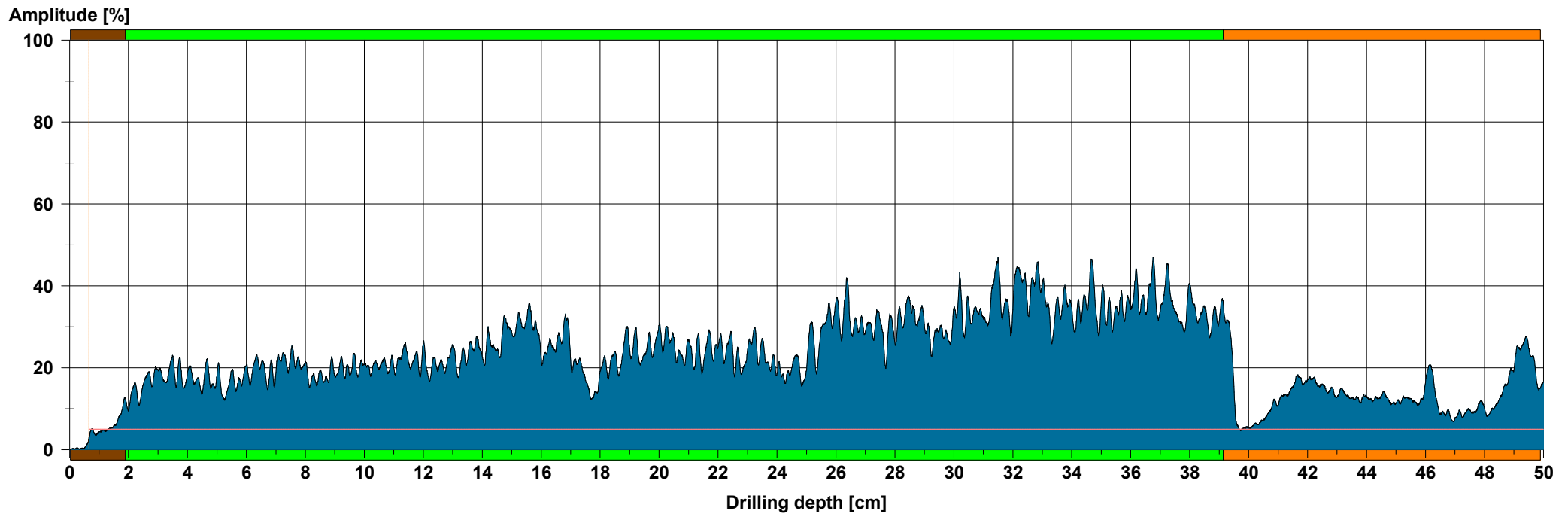
Reduced speed NE drill. Drill shows wood presence but still is terminated at 29.5cm due to motor overload indicating hard wood and likely termination when hitting even harder heartwood or barrier zone wall.

Measuring / object data



Measurement no.:	7	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak Ref 1MSouth	Needle state:	---	Level	: 1m
Drilling depth	: 50,45 cm	Tilt	: -7°	Direction:	South
Date	: 20.12.2023	Offset	: 76 / 251	Species	: Oak
Time	: 14:36:57	Avg. curve	: off / off	Location	: Bettws y Coed Rd
Feed	: 100 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	0,66 cm / 50,32 cm
Length	: 49,66 cm
Cavity	: 0,00 cm (0,0%)



Assessment

	From 0,03 cm to 1,90 cm : Bark
	From 1,90 cm to 39,14 cm : Wood
	From 39,14 cm to 49,90 cm : Decay

Comment

Drill shows that decay is present within the main stem at 1m height. Ample residual wall remains at this stage but the decay should not be ignored.

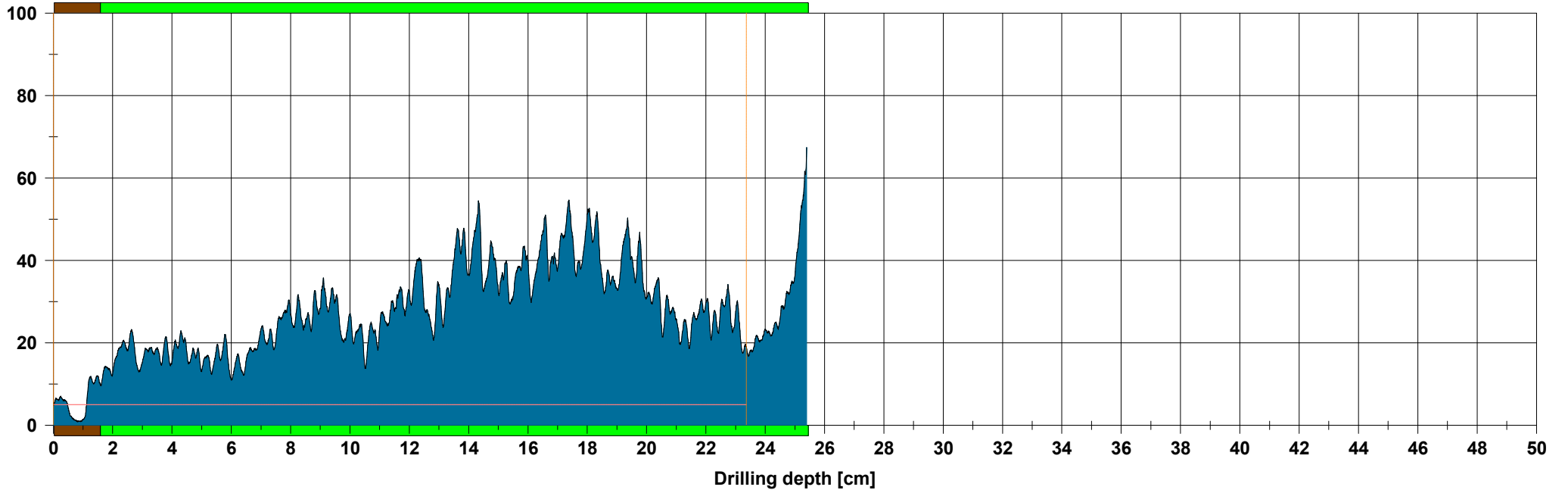
Measuring / object data

Measurement no.:	9	Speed	: 1500 r/min	Diameter:	70,00 cm
ID number	: Bets y Coed Rd Oak Basal W	Needle state:	---	Level	: Basal
Drilling depth	: 25,40 cm	Tilt	: -22°	Direction:	West
Date	: 20.12.2023	Offset	: 99 / 541	Species	: Oak
Time	: 14:40:23	Avg. curve	: off / off	Location:	Bettws y Coed Rd
Feed	: 100 cm/min			Name	: Dave Wiltshire

WoodInspector

Program	: Standard
Mode	: Full piercing
Start / stop:	0,00 cm / 23,36 cm
Length	: 23,36 cm
Cavity	: 0,00 cm (0,0%)

Amplitude [%]



Assessment

■	From 0,03 cm to 1,59 cm	: Bark
■	From 1,59 cm to 25,45 cm	: Wood

Comment

Drill into tensile west buttress. Terminates on reaching harder heartwood and barrier zone wall on outside of the decayed basal region.