



# SPECIAL STAGES ANALYSIS

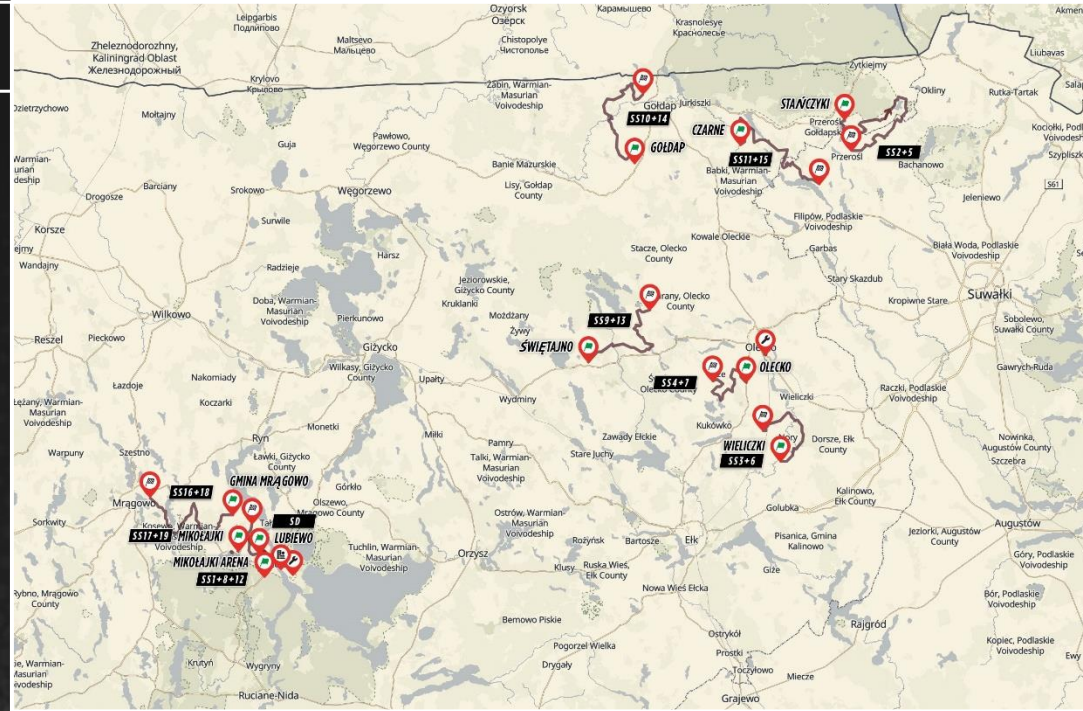




# RALLY OVERVIEW

## RALLY INFORMATION

DAYS	4
LEGS	3
LENGTH	1375.64 KM
# SS	19
SS LENGTH	303.16 KM
LIASON	1072.48 KM



## TYRES

### SCORPION



**SOFT**  
RC 128 (24)  
RC 226 (22)



FIRST CHOICE



**HARD**  
RC 18 (12)  
RC 28 (12)



ALTERNATIVE

GRAVEL

GRAVEL

## SPECIAL STAGES INFORMATION

LONGEST LOOP **DAY 4 - SUNDAY** - [64.00 Km]

LONGEST STAGE **SS 2 - 5 - Stanczyki** [29.40 Km]



# LOOPS & SECTIONS SEVERITY

## FRIDAY

[THURSDAY included]

### LOOP 1



SECTIONs 1 . 2

SPECIAL STAGEs 1 . 2 . 3 . 4

### LOOP 2



SECTIONs 3 . 4

SPECIAL STAGEs 5 . 6 . 7 . 8

## SATURDAY



SECTIONs 5

SPECIAL STAGEs 9 . 10 . 11 . 12



SECTIONs 6

SPECIAL STAGEs 13 . 14 . 15

## SUNDAY



SECTIONs 7 . 8 . 9

SPECIAL STAGEs 16 . 17 . 18 . 19

# STAGES OVERVIEW

STAGE		LENGTH (KMs)	CONDITIONS			GROUND			RATINGS				STAGE RATE
			DRY	DAMP	WET	ABRASIVE	MEDIUM	SMOOTH	PUNCTURE RISK	TYRE WEAR	GRIP LEVEL	TYRE STRESS	
1	Mikolajki Arena *	2.50	100%			32%	68%		2	3	3	3	
2	Stanczyki	29.40	85%	15%		1%	9%	90%	4	3	3	3	
3	Wieliczki	12.90	15%	85%		15%		85%	2	2	4	2	
4	Olecko	13.20	37%	55%	8%	8%	12%	80%	2	2	3	4	
<b>FRIDAY</b> <i>FIRST PASS km * THURSDAY</i>		<b>58.00</b>	<b>59%</b>	<b>39%</b>	<b>2%</b>	<b>7%</b>	<b>10%</b>	<b>83%</b>	<b>3</b>	<b>2.5</b>	<b>3</b>	<b>3</b>	
9	Swietajno	18.50	13%	87%		15%	6%	79%	3	3	4	3	
10	Goldap	19.90	100%			9%	56%	35%	3	3	3	3	
11	Czarne	22.40	76%	24%		7%	17%	76%	4	3	3	4	
<b>SATURDAY</b> <i>FIRST PASS km</i>		<b>60.80</b>	<b>65%</b>	<b>35%</b>		<b>10%</b>	<b>26%</b>	<b>64%</b>	<b>3.5</b>	<b>3</b>	<b>3.5</b>	<b>3.5</b>	
16	Gmina Mragowo	20.80	100%			6%	6%	88%	3	2	3	3	
17	Mikolajki	10.73	100%			26%	32%	42%	3	4	3	4	
<b>SUNDAY</b> <i>FIRST PASS km</i>		<b>31.53</b>	<b>100%</b>			<b>13%</b>	<b>15%</b>	<b>72%</b>	<b>3</b>	<b>2.5</b>	<b>3</b>	<b>3.5</b>	
<b>RALLY</b> <i>FIRST PASS km</i>		<b>150.33</b>	<b>70%</b>	<b>29%</b>	<b>1%</b>	<b>9%</b>	<b>18%</b>	<b>73%</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	



## SURFACE SORTING



GRAVEL *MEDIUM*



GRAVEL *SOFT*



GRAVEL *SAND*



TARMAC *MEDIUM*



CONCRETE *COBBLESTONES*



CONCRETE *CONCRETE*



# FRIDAY OVERVIEW

## DAY INFORMATION

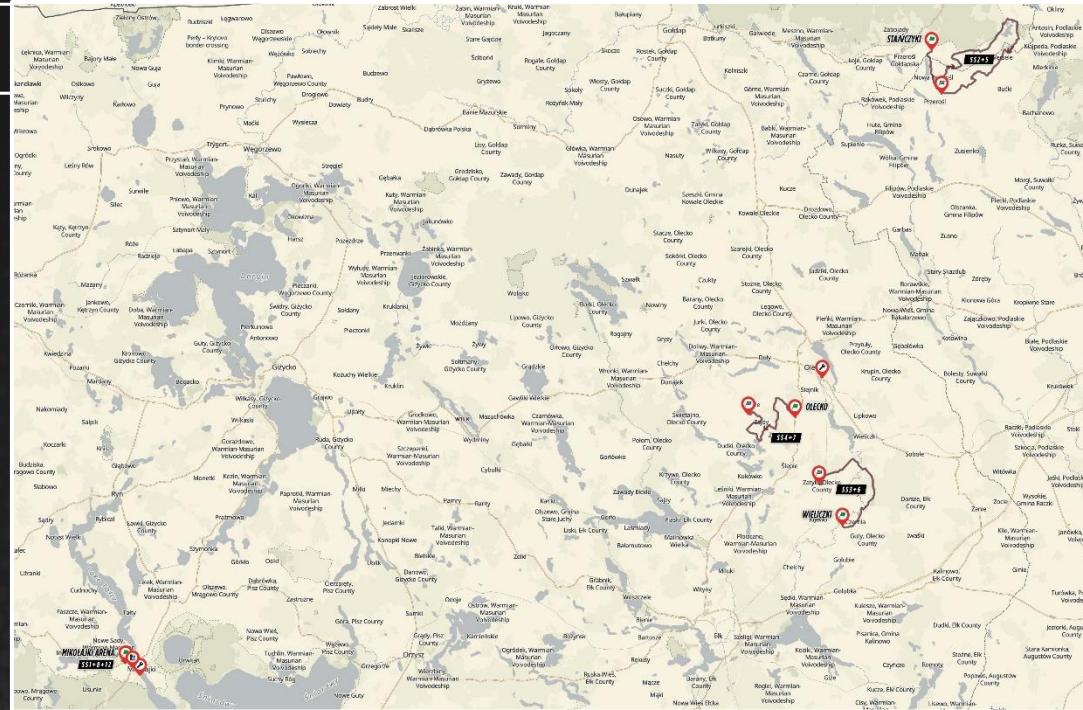
**LOOPS** 2

**LENGTH** 548.55 km

**SS LENGTH** 116.00 km

**LIASON** 432.55 km

**% SS** 21.14 %



## ITINERARY NOTES

- 8 Special Stages
  - 3 Special Stages x 2
  - 1 Super Special Stages x 2
  - SSS 1 «Mikolajki Arena 1» included in FRIDAY's itinerary
- Shortest loop(s) of the rally
- Longest stage(s) of the rally [SS 2 • 5 – 29.40 km]
- Shortest stage(s) of the rally [SS 1 • 8 – 2.50 km]
- Tyre Fitting Zone [Olecko] ahead SS 5

## RECCE NOTES

Smoothest loop(s) of the rally with super special stage in the arena as opening one in the first loop and closing one in the second loop. Longest stage is also the most demanding one

- ✓ Several medium to smooth tarmac sections
- ✓ Several cobblestones sections
- ✓ Deep ruts expected

## SPECIAL STAGES INFORMATION

**LONGEST LOOP** 1<sup>st</sup> & 2<sup>nd</sup> [58.00 Km]

**LONGEST STAGE** SS 2 • 5 – Stanczyki [29.40 Km]

**CRITICAL STAGE** SS 5 – Stanczyki 2 [29.40 Km]



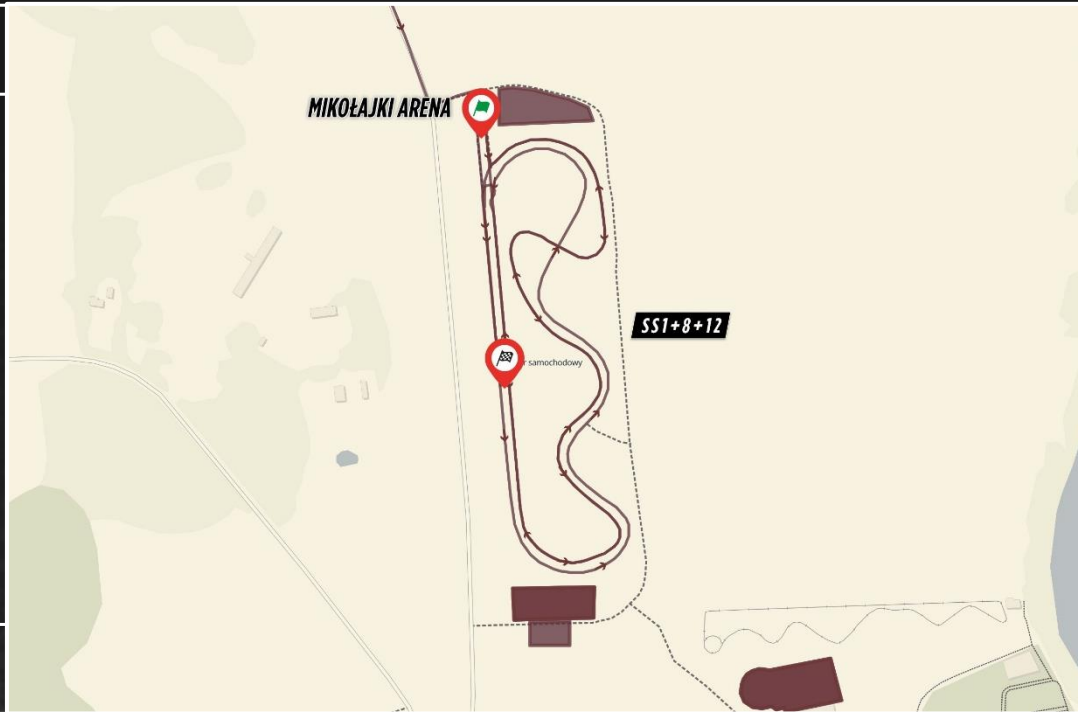
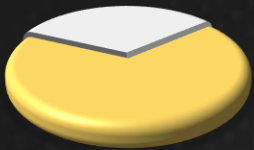
# SS1.8.12 • Mikolajki Arena

## STAGE INFORMATION

LENGTH **2.50 km**

### SURFACEs

GRAVEL **68%**  
 CONCRETE **32%**



## RECCE INFO



26.09  
11h40



CLEAR



AIR 14°C  
GROUND 30°C

## RECCE NOTES

Very demanding head to head stage due to the hard base underneath the loose gravel layer

- ✓ Sharp concrete blocks
- ✓ High cleaning expected

## RATINGS

### PUNCTURE RISK



### TYRE WEAR



### TYRE STRESS



### GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
■ START - STOP	GRAVEL	MEDIUM	TWISTY	CONCRETE



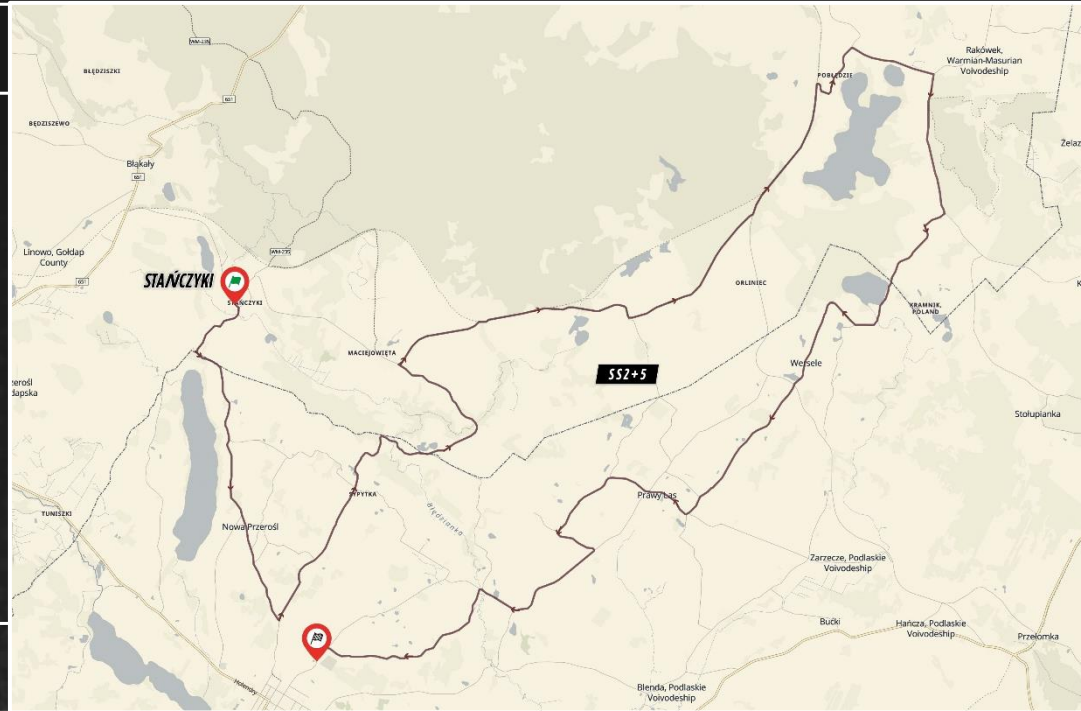
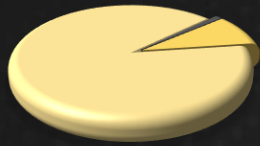
# SS 2.5 • Stanczyki

## STAGE INFORMATION

LENGTH

29.40 km

SURFACES



## RECCE INFO



25.06  
16h35



CLEAR



AIR 26°C  
GROUND 33°C

## RECCE NOTES

Fast but technical stage with several rhythm changes

- ✓ Ruts expected
- ✓ Lot of loose gravel
- ✓ Several stones both on roadside and in line

## RATINGS

PUNCTURE RISK



TYRE WEAR



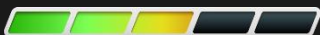
TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START – 4.0	SOFT GRAVEL	MID-NARROW	FAST	
4.0 – 8.9	SOFT GRAVEL	NARROW	TECHNICAL	
8.9 – 15.0	SOFT GRAVEL	MID-NARROW	FAST	
15.0 – 26.9	SOFT GRAVEL	NARROW	TECHNICAL	
26.9 - STOP	SOFT GRAVEL	MID-NARROW	TECHNICAL	





# SS 3.6 • Wieliczki

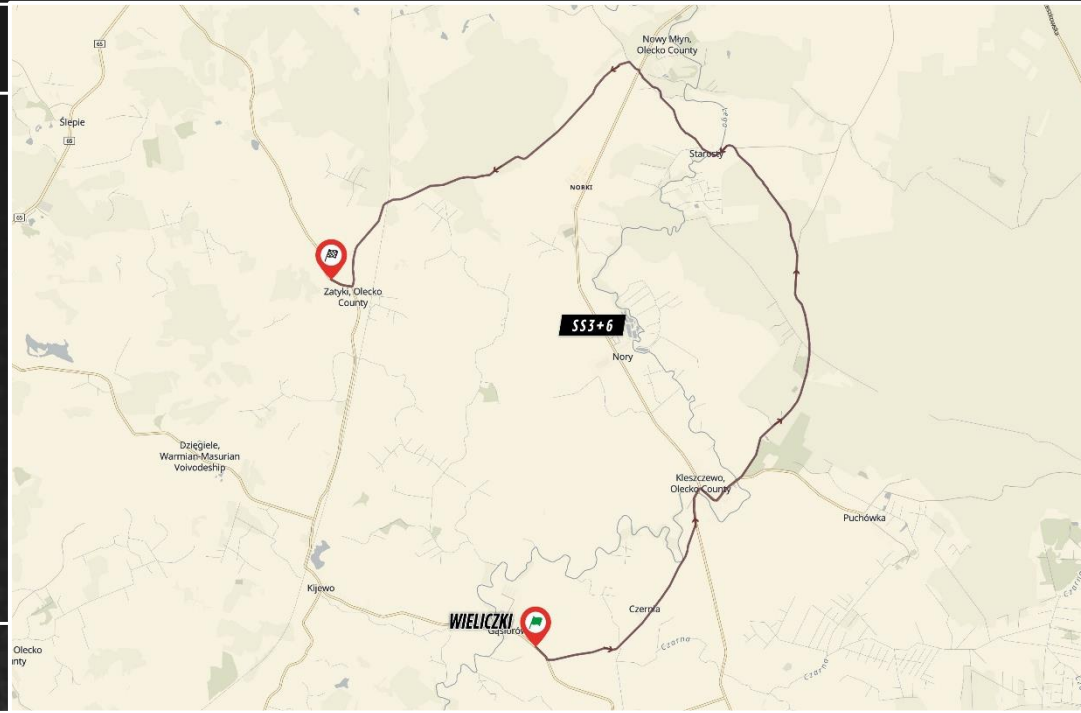
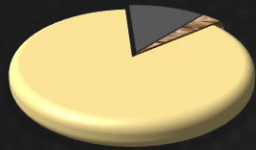
## STAGE INFORMATION

LENGTH

12.90 km

SURFACES

- SOFT GRAVEL 85%
- TARMAC 12%
- COBBLESTONES 3%



## RECCE INFO



25.06  
11h00



CLEAR



AIR 22°C  
GROUND 25°C

## RECCE NOTES

The stage starts fast and then becomes technical with narrow sections in the forest

- ✓ Several medium to smooth tarmac and cobblestones sections
- ✓ Ruts expected

## RATINGS

PUNCTURE RISK



TYRE WEAR



TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START - 2.3	SOFT GRAVEL	MEDIUM	FAST	
2.3 - 7.1	SOFT GRAVEL	MID-NARROW	FAST	TARMAC
7.1 - STOP	SOFT GRAVEL	MID-NARROW	TECHNICAL	COBBLESTONE



# SS 4.7 • Olecko

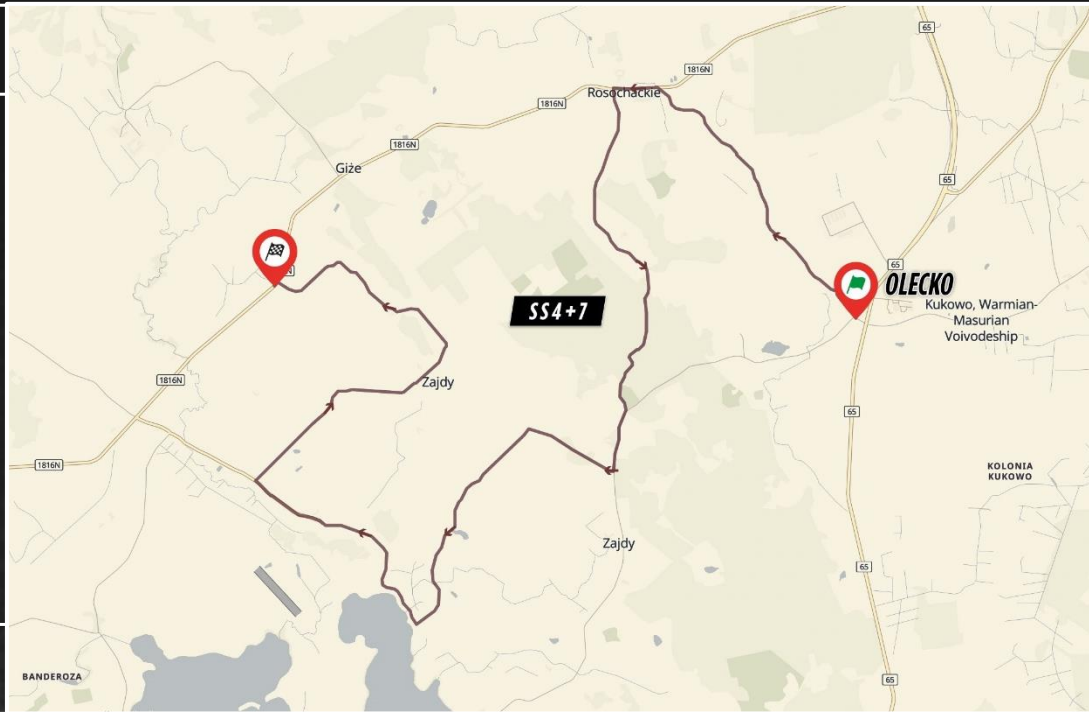
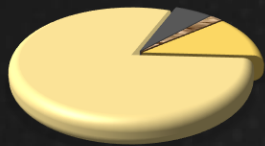
## STAGE INFORMATION

LENGTH

13.20 km

SURFACEs

- SOFT GRAVEL 80%
- GRAVEL 12%
- TARMAC 6%
- COBBLESTONES 2%



## RECCE INFO



25.06  
11h30



CLEAR



AIR 24°C  
GROUND 30°C

## RECCE NOTES

Technical stage with fast final section

- ✓ Several medium to smooth tarmac and cobblestones sections
- ✓ Very bumpy in places due to water ruts
- ✓ Ruts expected

## RATINGS

PUNCTURE RISK



TYRE WEAR



TYRE STRESS



GRIP LEVEL



STAGE RATE

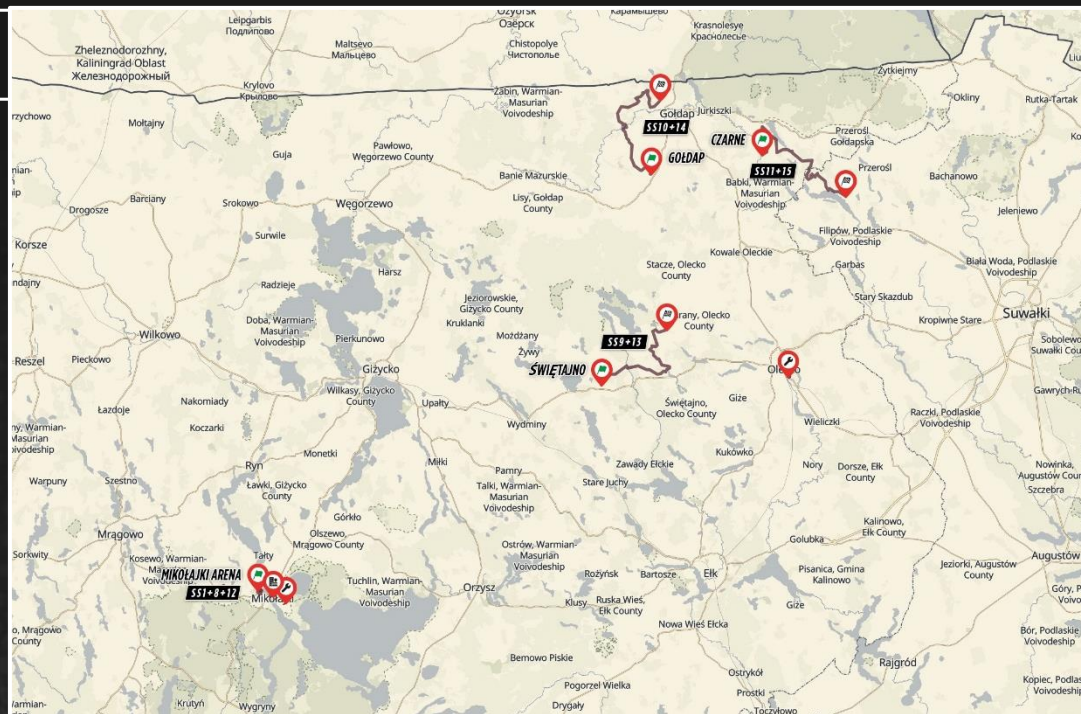


SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START - 5.5	SOFT GRAVEL	NARROW	TECHNICAL	TARMAC
5.5 - 9.6	SOFT GRAVEL	MID-NARROW	TECHNICAL	COBBLESTONE
9.6 - STOP	SOFT GRAVEL	MEDIUM	FAST	

# SATURDAY OVERVIEW

## DAY INFORMATION

LOOPS	2
LENGTH	636.83 km
SS LENGTH	124.10 km
LIASON	512.73 km
% SS	19.50 %



## ITINERARY NOTES

- 7 Special Stages
  - 3 Special Stages x 2
  - 1 Super Special Stage
- Shortest stage of the rally [SS 12 – 2.50 km]

## RECCE NOTES

Equally demanding loop(s) as the first one sees the third pass on the super special stage (more abrasive due to the exposed concrete base) and the second one with all second passes

- ✓ Several medium to smooth tarmac sections
- ✓ Several cobblestones sections
- ✓ Deep ruts expected
- ✓ Lot of loose gravel

## SPECIAL STAGES INFORMATION

LONGEST LOOP	1 <sup>st</sup> [63.30 Km]
LONGEST STAGE	SS 11 · 15 – Czarne [22.40 Km]
CRITICAL STAGE	SS 15 – Czarne 2 [22.40 Km]



# SS 9.13 • Swietajno

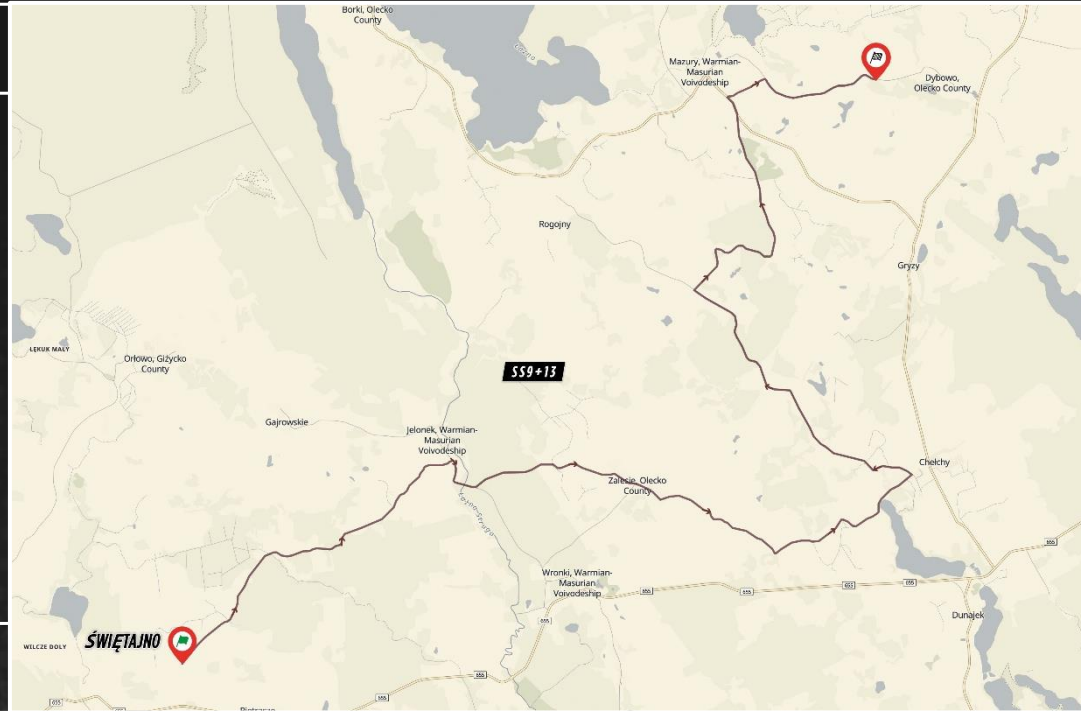
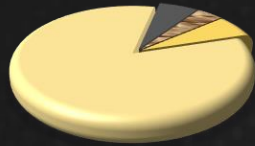
## STAGE INFORMATION

LENGTH

18.50 km

SURFACES

- SOFT GRAVEL 79%
- TARMAC 11%
- GRAVEL 6%
- COBBLESTONES 4%



## RECCE INFO



25.06  
12h15



CLEAR



AIR 25°C  
GROUND 32°C

## RECCE NOTES

Fast but technical stage with several rhythm changes

- ✓ Several medium to smooth tarmac and cobblestones sections
- ✓ Ruts expected
- ✓ Few sections with loose gravel

## RATINGS

PUNCTURE RISK



TYRE WEAR



TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START - 4.4	SOFT GRAVEL	MID-NARROW	FAST	COBBLESTONE
4.4 - 7.1	SOFT GRAVEL	NARROW	TECHNICAL	TARMAC
7.1 - 10.7	SOFT GRAVEL	MID-NARROW	TECHNICAL	TARMAC
10.7 - 13.6	SOFT GRAVEL	MID-NARROW	FAST	
13.6 - STOP	SOFT GRAVEL	NARROW	TECHNICAL	TARMAC



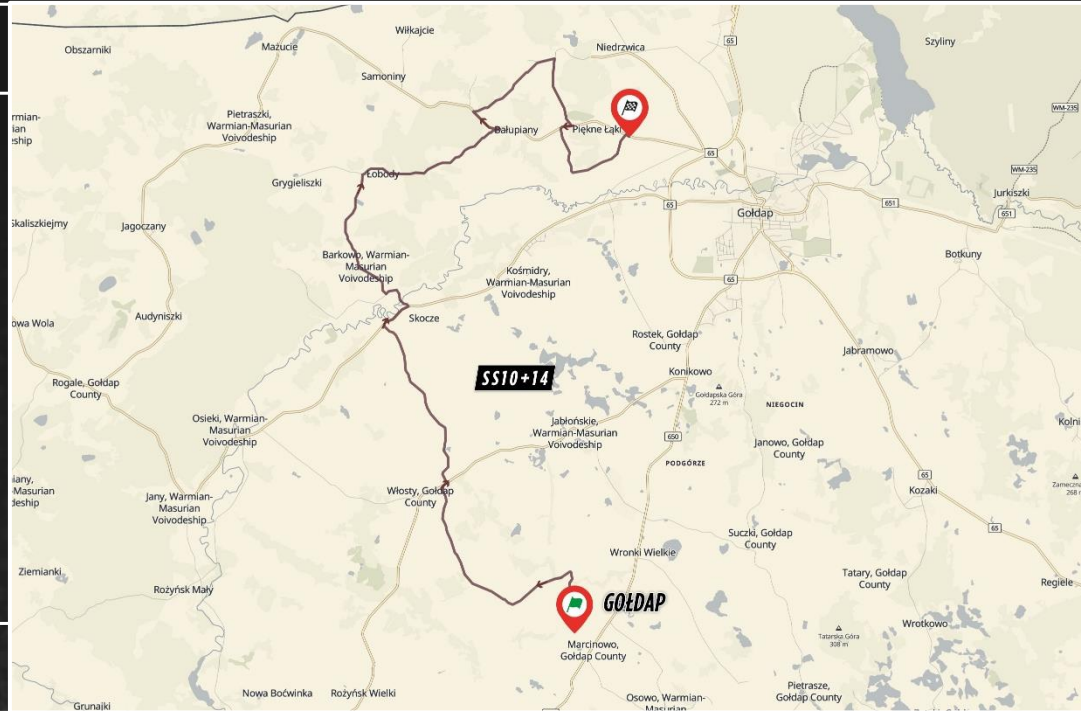
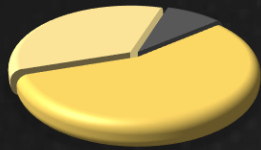
# SS 10 · 14 • Goldap

## STAGE INFORMATION

LENGTH

19.90 km

SURFACES



## RECCE INFO



25.06  
13h30



CLEAR



AIR 24°C  
GROUND 29°C

## RECCE NOTES

Fast but technical stage with several rhythm changes

- ✓ Several medium to smooth tarmac sections
- ✓ Lot of loose gravel

## RATINGS

PUNCTURE RISK



TYRE WEAR



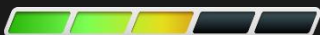
TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START – 8.6	GRAVEL	MEDIUM	FAST	TARMAC
8.6 – 11.4	SOFT GRAVEL	MEDIUM	TECHNICAL	
11.4 – 16.3	GRAVEL	MID-NARROW	TECHNICAL	TARMAC
16.3 – 17.6	GRAVEL	MID-WIDE	FAST	
17.6 – STOP	SOFT GRAVEL	MID-NARROW	TECHNICAL	



# SS 11 · 15 • Czarne

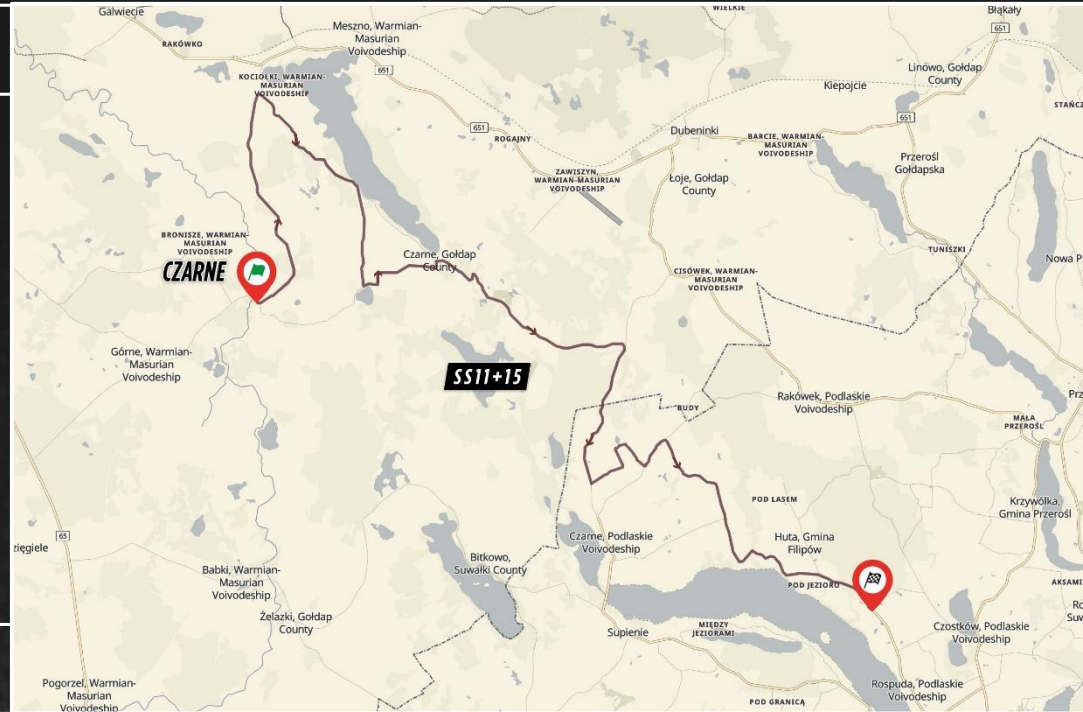
## STAGE INFORMATION

LENGTH

22.40 km

SURFACES

- SOFT GRAVEL 76%
- GRAVEL 17%
- TARMAC 5%
- COBBLESTONES 2%



## RECCE INFO



25.06  
15h30



CLEAR



AIR 25°C  
GROUND 34°C

## RECCE NOTES

Fast but technical stage with several rhythm changes

- ✓ Several medium to smooth tarmac and cobblestones sections
- ✓ Very bumpy in places due to water ruts
- ✓ Ruts expected
- ✓ Lot of loose gravel
- ✓ Several stones both on roadside and in line

## RATINGS

PUNCTURE RISK



TYRE WEAR



TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START – 4.8	GRAVEL	MID-WIDE	FAST +	
4.8 – 12.8	SOFT GRAVEL	MID-NARROW	FAST	TARMAC
12.8 – 15.2	SOFT GRAVEL	MID-NARROW	TECHNICAL	
15.2 – 16.7	SOFT GRAVEL	NARROW	TECHNICAL	
16.7 – STOP	SOFT GRAVEL	MID-NARROW	FAST	TARMAC



# SUNDAY OVERVIEW

## DAY INFORMATION

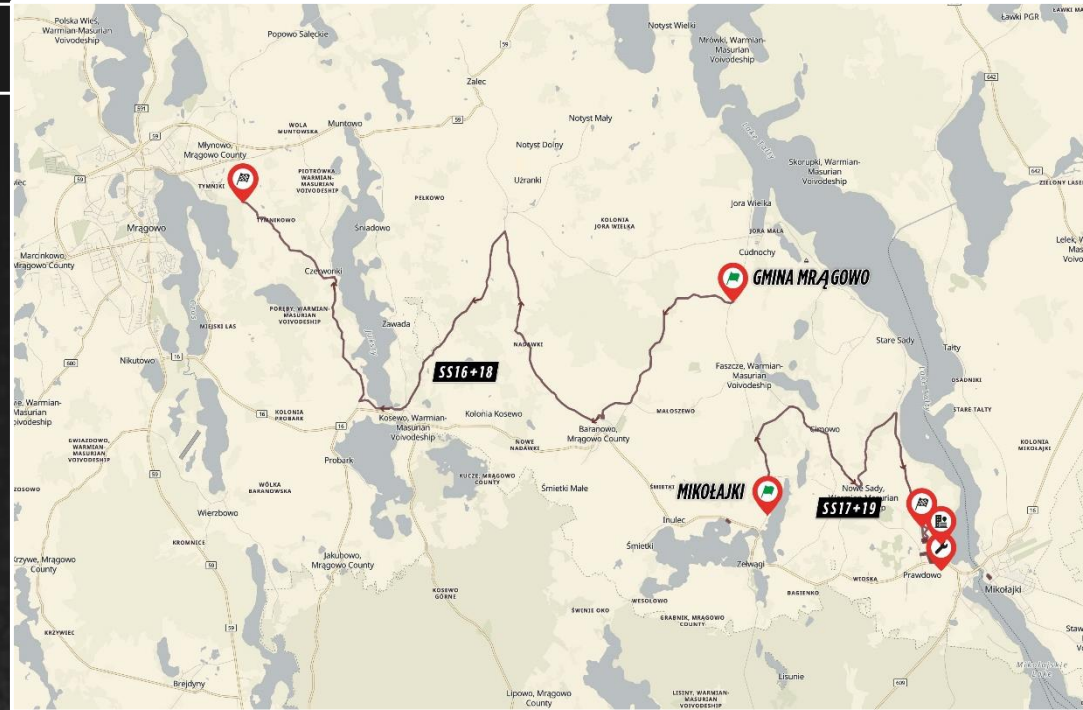
LOOPS **1**

LENGTH **189.64 KM**

SS LENGTH **63.06 KM**

LIASON **126.58 KM**

% SS **33.70 %**



## ITINERARY NOTES

- 4 Special Stages
  - 2 Special Stages x 2
- Longest loop of the rally

## RECCE NOTES

Most difficult “single loop” of the rally due to the second passes inside the same loop.  
To be remarked that SS 17 / 19 will have high roughness in the arena (4<sup>th</sup> and 5<sup>th</sup> passes)

- ✓ Mainly sandy based
- ✓ Several and long medium to smooth tarmac sections
- ✓ Very deep ruts expected

## SPECIAL STAGES INFORMATION

LONGEST LOOP — [64.00 Km]

LONGEST STAGE **SS 16 · 18 – Gmina Mragowo [20.80 Km]**

CRITICAL STAGE **SS 19 – Mikolajki 2 [10.73 Km]**



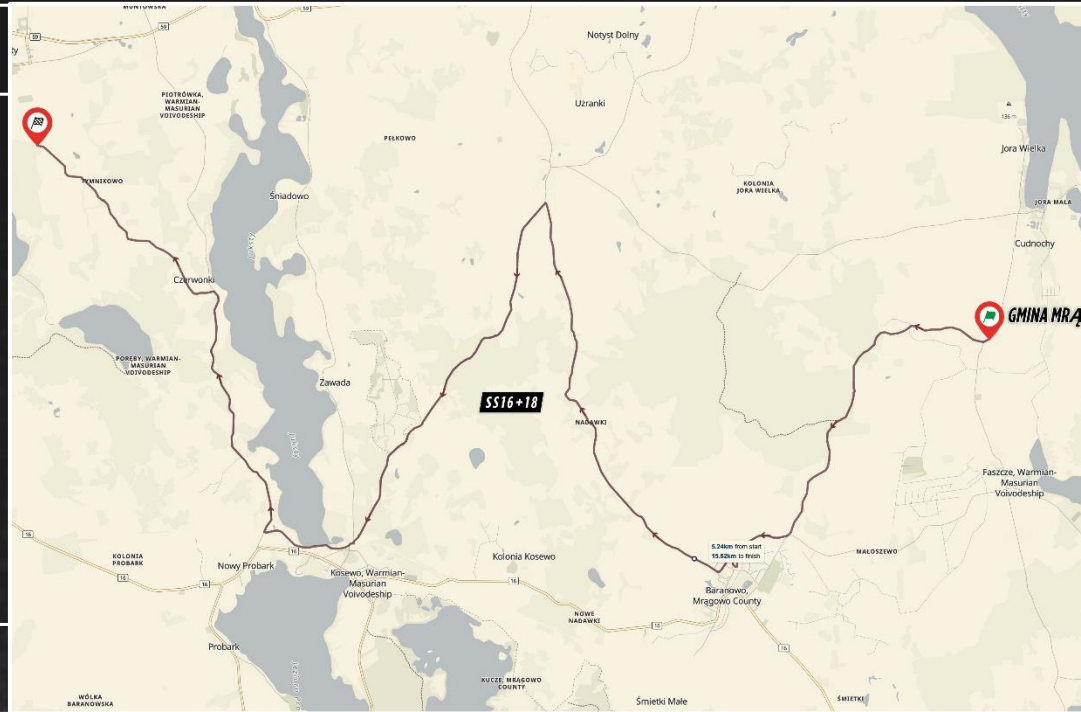
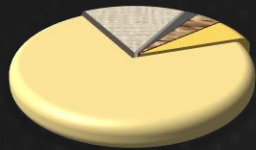
# SS 16 · 18 • Gmina Mragowo

## STAGE INFORMATION

LENGTH

20.80 km

SURFACES



## RECCE INFO



26.06  
10h55



SUNNY



AIR 28°C  
GROUND 36°C

## RECCE NOTES

Very technical stage with several layout changes and few sections in the villages

- ✓ Several tarmac and cobblestones sections
- ✓ Very bumpy in places due to water ruts
- ✓ Ruts expected

## RATINGS

PUNCTURE RISK



TYRE WEAR



TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START - 2.0	SOFT GRAVEL	NARROW	TECHNICAL	
2.0 - 7.3	SOFT GRAVEL	MID-NARROW	FAST	
7.3 - 9.7	SOFT GRAVEL	NARROW	TECHNICAL	
9.7 - STOP	SOFT GRAVEL	MID-NARROW	TECHNICAL	TARMAC





# SS 17 · 19 • Mikolajki

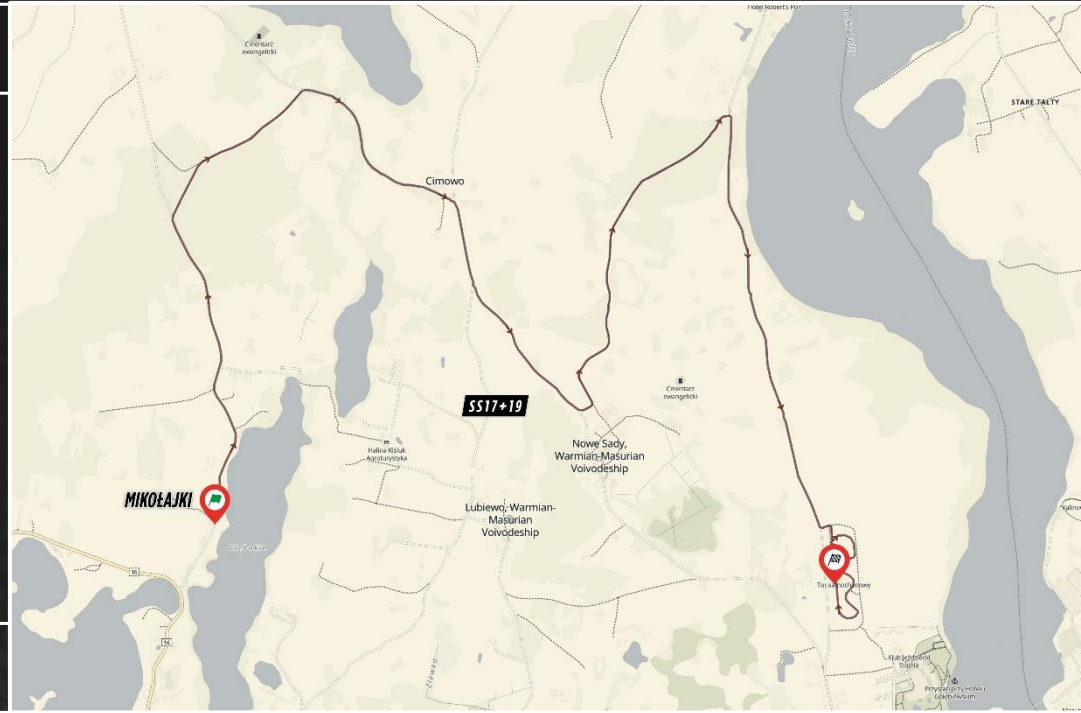
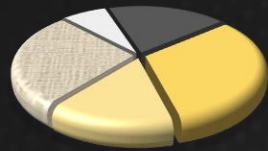
## STAGE INFORMATION

LENGTH

10.73 km

SURFACEs

- GRAVEL 32%
- SAND 27%
- TARMAC 19%
- SOFT GRAVEL 15%
- CONCRETE 7%



## RECCE INFO



26.06  
12h20



SUNNY



AIR 28°C  
GROUND 32°C

## RECCE NOTES

Very fast but technical stage with several layout and surface changes

- ✓ Long tarmac section
- ✓ Ruts expected in the sandy sections
- ✓ From 9.2 to STOP same section of SS 1-8-12, very demanding (4<sup>th</sup> and 5<sup>th</sup> passes) due to the concrete base under the gravel layer

## RATINGS

PUNCTURE RISK



TYRE WEAR



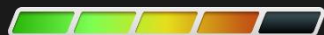
TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START - 2.7	SAND	NARROW	TECHNICAL	
2.7 - 5.0	GRAVEL	MID-WIDE	FAST +	
5.0 - 7.0	SAND	NARROW	TECHNICAL	
7.0 - 9.2	TARMAC	WIDE	FAST +	
9.2 - STOP	GRAVEL	MEDIUM	TWISTY	CONCRETE



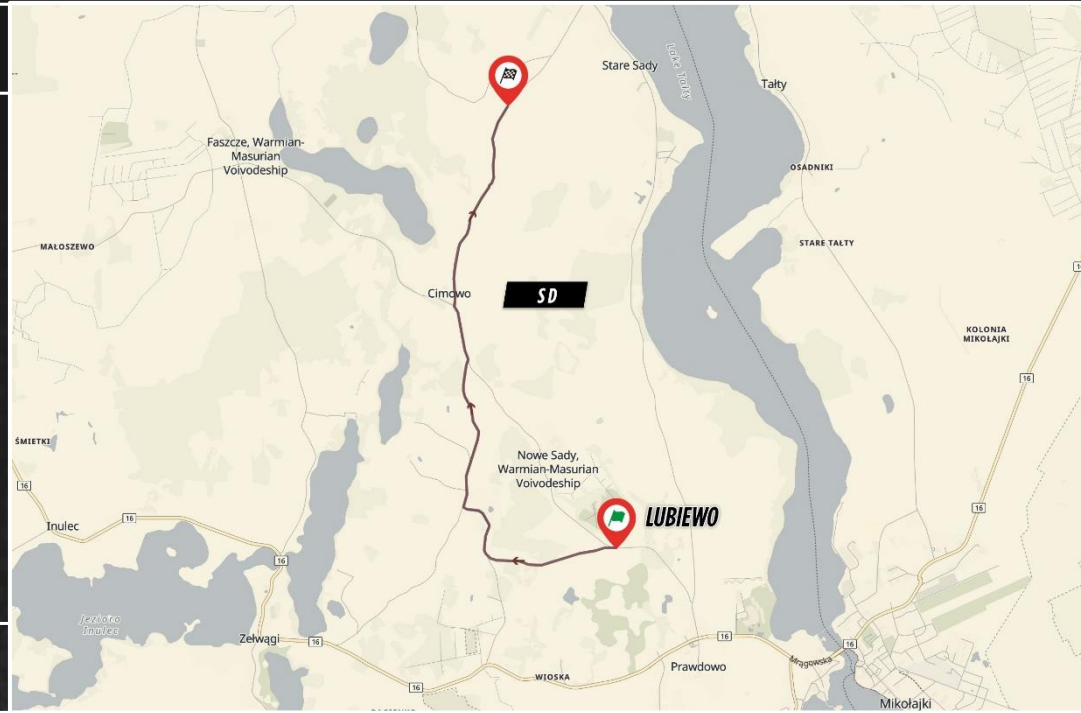
# SHAKEDOWN • Lubiewo

## STAGE INFORMATION

LENGTH

5.10 km

SURFACES



## RECCE INFO



26.06  
11h40



SUNNY



AIR 28°C  
GROUND 44°C

## RECCE NOTES

Representative of several section of rally.

- ✓ Very fast and medium to wide width
- ✓ Very sandy first section
- ✓ Long smooth tarmac section
- ✓ Lot of loose gravel

## RATINGS

PUNCTURE RISK



TYRE WEAR



TYRE STRESS



GRIP LEVEL



STAGE RATE



SECTION	SURFACE	WIDTH	LAYOUT	NOTE
START - 1.0	SAND	MID-NARROW	FAST	
1.0 - 2.0	TARMAC	MID-WIDE	FAST +	
2.0 - STOP	GRAVEL	MEDIUM	FAST	

