



# mineral resources & energy

Department:  
Mineral Resources and Energy  
REPUBLIC OF SOUTH AFRICA

## Winding Plant Inspection Report

Date of inspection : 2025 09 12 YY/MM/DD (LAST DYNAMIC TEST)

Winder number : GLORIA WP2324A

Region : A B C D E F G H J K

Mine number : MN0020

Shaft number : GLORIA

Quick drop time (sec)	:	U/L:	NA	O/L:	0,2	s
Quick drop distance (mm)	:	U/L:	NA	O/L:	13	mm
Full stroke distance (mm)	:	U/L:	NA	O/L:	100	mm
Operating brake engine distance (mm):	:	U/L:	NA	O/L:	67	mm
Hydraulic pneumatic pressure Mpa)	:	U/L:	NA	O/L:	10,5	MPa
Brake holding current (Amps)	:	U/L:	NA	O/L:	140	A
Frontbrake clearance (mm)	:	U/L:	NA	O/L:	0,6	mm
Rear brake clearance (mm)	:	U/L:	NA	O/L:	0,6	mm

### Test

Type of test : 01 SPEED (m/s)

#### Dynamic test

First test	:	U/L:	NA	O/L:	2,7	m/s
Second test	:	U/L:	NA	O/L:	2,7	m/s
Third test	:	U/L:	NA	O/L:	NA	
Full speed	:	U/L:	NA	O/L:	NA	

### Test

Type of test : 02 TRIP TO STOP (m)

#### Dynamic test

First test	:	U/L:	NA	O/L:	10,4	m
Second test	:	U/L:	NA	O/L:	9,6	m
Third test	:	U/L:	NA	O/L:	NA	
Full speed	:	U/L:	NA	O/L:	NA	

### Test

Type of test : 03 CONTACT TO STOP (s)

#### Dynamic test

First test	:	U/L:	NA	O/L:	2,3 s
Second test	:	U/L:	NA	O/L:	2,9 s
Third test	:	U/L:	NA	O/L:	NA
Full speed	:	U/L:	NA	O/L:	NA

### Test

Type of test : 04 AVERAGE DECELERATION (m/s/s)

#### Dynamic test

First test	:	U/L:	NA	O/L:	1,2 m/s/s
Second test	:	U/L:	NA	O/L:	0,9 m/s/s
Third test	:	U/L:	NA	O/L:	NA
Full speed	:	U/L:	NA	O/L:	NA

### Test

Type of test : 05 MAX. DECELERATION (m/s/s)

#### Dynamic test

First test	:	U/L:	NA	O/L:	2,5 m/s/s
Second test	:	U/L:	NA	O/L:	1,4 m/s/s
Third test	:	U/L:	NA	O/L:	NA
Full speed	:	U/L:	NA	O/L:	NA

### Test

Type of test : 06 REMAINING DISTANCE TO BANK (m)

#### Dynamic test

First test	:	U/L:	NA	O/L:	6,6 m
Second test	:	U/L:	NA	O/L:	5,1 m
Third test	:	U/L:	NA	O/L:	NA
Full speed	:	U/L:	NA	O/L:	NA

## Test

Type of test : 07 DEGREE OF PROTECTION (%)

### Dynamic test

First test	:	U/L:	NA	O/L:	275 %	2,75
Second test	:	U/L:	NA	O/L:	210 %	2,10
Third test	:	U/L:	NA	O/L:	NA	
Full speed	:	U/L:	NA	O/L:	NA	

INSPECTION RESULTS :

☒ PASSED ☐ FAILED

### REMARKS :

Acceptable DOP obtained.

O/L LOWER

U/L UPPER.

INSPECTOR: PRINT NAME

Colini Jacobs

SIGNATURE:

ENGINEER: PRINT NAME

Xavier Petersen

SIGNATURE:



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12.09.2025