



mineral resources & energy

Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

Winding Plant Inspection Report

Date of inspection : 2025 03 10 YY/MM/DD

Winder number : NCH2 RW_WP2322

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

Mine number : MN0020

Shaft number : NCH2

Quick drop time (sec) :	U/L: 0,2 s	O/L: 0,2 s
Quick drop distance (mm) :	U/L: 38 mm	O/L: 38 mm
Full stroke distance (mm) :	U/L: 195 mm	O/L: 195 mm
Operating brake engine distance (mm):	U/L: 105 mm	O/L: 103 mm
Hydraulic pneumatic pressure Mpa) :	U/L: 13,7 MPa	O/L: 13,5 MPa
Brake holding current (Amps) :	U/L: 120 %	O/L: 120 %
Frontbrake clearance (mm) :	U/L: 1,45 mm	O/L: 1,45 mm
Rear brake clearance (mm) :	U/L: 1,45 mm	O/L: 1,45 mm

Test

Type of test : 01 SPEED (m/s)

Dynamic test

First test :	U/L: 3,1 m/s	O/L: 3,4 m/s
Second test :	U/L: 6,3 m/s	O/L: 6,2 m/s
Third test :	U/L: 8,8 m/s	O/L: 8,8 m/s
Full speed :	U/L: NA	O/L: NA

Test

Type of test : 02 TRIP TO STOP (m)

Dynamic test

First test :	U/L: 3,2 m	O/L: 4,0 m
Second test :	U/L: 10,6 m	O/L: 10,5 m
Third test :	U/L: 19,0 m	O/L: 18,7 m
Full speed :	U/L: NA	O/L: NA

Test

Type of test : 03 CONTACT TO STOP (s)

Dynamic test

First test	:	U/L:	2,1	s	O/L:	1,9	s
Second test	:	U/L:	2,9	s	O/L:	3,2	s
Third test	:	U/L:	4,2	s	O/L:	3,6	s
Full speed	:	U/L:	NA		O/L:	NA	

Test

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

Dynamic test

First test	:	U/L:	1,5	m/s/s	O/L:	1,9	m/s/s
Second test	:	U/L:	2,2	m/s/s	O/L:	1,9	m/s/s
Third test	:	U/L:	2,1	m/s/s	O/L:	2,4	m/s/s
Full speed	:	U/L:	NA		O/L:	NA	

Test

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

Dynamic test

First test	:	U/L:	2,4	m/s/s	O/L:	2,7	m/s/s
Second test	:	U/L:	3,3	m/s/s	O/L:	3,0	m/s/s
Third test	:	U/L:	3,1	m/s/s	O/L:	3,3	m/s/s
Full speed	:	U/L:	NA		O/L:	NA	

Test

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

Dynamic test

First test	:	U/L:	4,6	m	O/L:	5,1	m
Second test	:	U/L:	9,3	m	O/L:	7,7	m
Third test	:	U/L:	21,8	m	O/L:	22,3	m
Full speed	:	U/L:	NA		O/L:	NA	

Test

Type of test : 07 DEGREE OF PROTECTION (%)

Dynamic test

First test	:	U/L:	241 % 2,41	O/L:	226 % 2,26
Second test	:	U/L:	187 % 1,87	O/L:	173 % 1,73
Third test	:	U/L:	214 % 2,14	O/L:	220 % 2,20
Full speed	:	U/L:	NA	O/L:	NA

INSPECTION RESULTS :

PASSED FAILED

REMARKS :

O/L LOWER

U/L UPPER

Acceptable DOP Achieved.

INSPECTOR: PRINT NAME

Colin Jacobs

SIGNATURE:

ENGINEER: PRINT NAME

Xavier Petersen

SIGNATURE:



10064957
12.09.2025