



mineral resources & energy

Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

Winding Plant Inspection Report

Date of inspection : 2025 03 12 YY/MM/DD

Winder number : NCH3 PW_WP2313ii

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

Mine number : MN0020

Shaft number : NCH3

Quick drop time (sec)	:	U/L:	0,2	s	O/L:	0,2	s
Quick drop distance (mm)	:	U/L:	24	mm	O/L:	25	mm
Full stroke distance (mm)	:	U/L:	165	mm	O/L:	165	mm
Operating brake engine distance (mm):	:	U/L:	91	mm	O/L:	89	mm
Hydraulic pneumatic pressure Mpa)	:	U/L:	1,7	MPa	O/L:	12,0	MPa
Brake holding current (Amps)	:	U/L:	150	%	O/L:	150	%
Frontbrake clearance (mm)	:	U/L:		Inner Outer	O/L:		Inner Outer
Rear brake clearance (mm)	:	U/L:	Top 1,0 mm 0,8 mm		O/L:	Top 1,0 mm 1,0 mm	
			1,2 Middle 1,2 mm 0,8 mm			Middle 1,0 mm 1,0 mm	
			Bottom 0,7 mm 1,0 mm			Bottom 1,1 mm 1,0 mm	

Test

Type of test : 01 SPEED (m/s)

Dynamic test

First test	:	U/L:	2,5	m/s	O/L:	2,5	m/s
Second test	:	U/L:	5,0	m/s	O/L:	4,9	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:	14,9	m	O/L:	10,1	m
Second test	:	U/L:	23,5	m	O/L:	18,8	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:	1,9 s	O/L:	1,7 s
Second test	:	U/L:	2,9 s	O/L:	2,5 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:	1,3 m/s/s	O/L:	1,50 m/s/s
Second test	:	U/L:	1,7 m/s/s	O/L:	2,0 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:	2,0 m/s/s	O/L:	2,4 m/s/s
Second test	:	U/L:	3,4 m/s/s	O/L:	3,1 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:	12,0 m	O/L:	7,3 m
Second test	:	U/L:	15,3 m	O/L:	10,9 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:	509	%	5,09	O/L:	351	%	3,51
Second test	:	U/L:	289	%	2,89	O/L:	239	%	2,39
Third test	:	U/L:	NA			O/L:	NA		
Full speed	:	U/L:	NA			O/L:	NA		

INSPECTION RESULTS :

☒ PASSED ☐ FAILED

REMARKS :

U/L LOWER

O/L UPPER

ACCEPTABLE DOP ACHIEVED.

INSPECTOR: PRINT NAME

Colin Jacobs

SIGNATURE

ENGINEER: PRINT NAME

Xavier Petersen

SIGNATURE



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12.09.2025.