



CERTIFICATE OF PLANT DESIGN REGISTRATION

Ref: INT14/2806

**WORK HEALTH & SAFETY ACT 2011
WORK HEALTH & SAFETY REGULATION 2011¹**

Registration No:	MDR 140058 BLT-0	Issue Date: 23 January 2014
Registration holder:	LD Operations Mining Equipment Pty Ltd, ACN 158 525 145 Trading as : LD Operations Mining Equipment	
Registration holder's address:	16 Spitfire Place, RUTHERFORD NSW 2320 PO BOX 174, RUTHERFORD NSW 2320	
Plant type:	Conveyor belts used in underground mines at a coal workplace	
Description of plant:	AS4606 Grade 'S' solid woven construction conveyor belting	
Manufacturer's name:	Ningshun Group Co. Ltd.	
Manufacturer's factory:	Quanshui Street, Zhuzhen Town, Liuhe District, Nan Jing, Jiangsu Province, P.R. China, P.C: 211503	
Belt model / series:	LDOME 1250 PVC Solid Woven Belt 2+2 Grade S	
Belt designation / range:	AS4606_xxx_PC_PC_1250/1_S with 2x2 min covers	
Registration clause:	Part 2 of the table to clause 107 of the Occupational Health and Safety Regulation 2001, 'Mining Specific Plant'	

This registration has appended to it a schedule which forms part of the registration. All conditions of registration must be complied with for the registration to remain valid.

P.A. SUNOL
Senior Inspector of Mechanical Engineering
(by delegation)

¹**Note:** Pursuant to clause 53 of Schedule 18B of the *Work Health and Safety Regulation 2011*; Division 3 of Part 5.2 and subclauses 136(5) and (6) of the *Occupational Health and Safety Regulation 2001* continue to apply as if it had not been repealed.

SCHEDULE – MDR 140058 BLT-0

1 Detailed description

Valid until ¹ :	30 November 2018
Belt(s) tested:	1250/1 2x2
Colour:	Black
Carcass warp material:	Polyester / Cotton (PC)
Carcass weft material:	Polyester / Cotton (PC)
Carcass weave:	Solid woven
Carcass impregnation (skim) material / identification:	PVC / Ningshun 01
Top cover material / identification	PVC / Ningshun 01
Bottom cover material / identification:	PVC / Ningshun 01
Top cover minimum thickness:	2.0 mm
Bottom cover minimum thickness:	2.0 mm
Oxygen index (O ₂): 1250/1- covers on / off	29.4% / 27.8%

2 Assessment Criteria

Performance criteria specified in the NSW Government Gazette No.24 of 2 February 2007 page 666, *Requirements for Design Registration of Conveyor Belts used in Underground Mines*.

3 Registration Documents

The documents listed must be supplied to any person to whom the conveyor belt is supplied.

DOCUMENT No.	ISSUE	DATE	TITLE
34530	Original	02/12/13	Report, Type Testing of 1250 PVC Solid Woven Conveyor Belting to AS4606, by TestSafe Australia
T13-00938/0001	Original	26/11/13	MSTC Test Report, LDO 1250 PVC 2mm Equal Covers Solid Woven Belting, by Mine Safety Technology Centre
LDOMEDRG13-001	0	04/11/13	LDO MINIG EQUIPMENT, 1250 PVC SOLID WOVEN CONVEYOR BELTING, DETAILS
USA12Q22738R2M	Original	26/08/12	Certificate, Quality Management System of Ningshun Group Co. Ltd., ISO 9001:2008, by EACC

¹ New belt cannot be manufactured or supplied after this date, see condition 4.3

4 Conditions of registration

- 4.1 The Chief Inspector may vary or revoke this registration at any time.
- 4.2 The plant must comply with General Conditions of Design Registration of 2 September 2013.
- 4.3 New plant must not be manufactured or supplied to this design registration after 30 November 2018. This does not prevent ongoing use of existing plant supplied prior to this date.
- 4.4 The registration holder must certify in writing for each conveyor belt supplied that conveyor belt conforms to the *Certificate of Plant Design Registration*.
- 4.5 Every second batch of belting manufactured, or every 800 meters of belting manufactured, whichever is the lesser, must be routinely tested for compliance to the performance criteria specified in AS 4606:2012 as follows:
 - a. Ignitability and maximum surface temperature of belting subjected to friction (Drum friction test)
 - b. Ignitability and flame propagation characteristics (Finger burn test)
 - c. Oxygen index
 - d. Resistivity
- 4.6 The testing referred to in 4.5 above must be carried out in accordance with AS 4606:2012 and by a NATA accredited laboratory or otherwise equivalent organisation.
- 4.7 A copy of the test certificates referred to in 4.5 above must be provided to the user with the belt supplied.
- 4.8 Cover thickness must not be supplied at lesser thickness than that specified herein.
- 4.9 The belt manufacturer must certify the belt supplied conforms to AS4606:2000.
- 4.10 This registration only applies to belting manufactured at the factory specified.
- 4.11 The user of the conveyor belt must have a system to verify the belt is operated and maintained in an FRAS condition. This system should include periodic inspections and carrying out of the following tests (ref: AS4606) where belting has been in service for over five years or where remaining cover thickness is less than that recommended by the belting manufacturer:
 - a. Finger burn
 - b. Resistivity
 - c. Oxygen index
- 4.12 The design registration number is not required to be stamped onto the conveyor belt.



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