



अंतर्राष्ट्रीय ऑटोमोटिव प्रौद्योगिकी केन्द्र INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

[A Division of NATRIP Implementation Society (NATIS), Govt. of India]

COP Certificate No. **C C O L S 6 3 2 0**

Date : 4th APRIL 2023

Cert	Dwg	Total
1	0	01 pg






CERTIFICATE FOR CONFORMITY OF PRODUCTION (For compliance to AIS - 037)

Non- Transferable

1	Name of the Applicant :	M/s. Zoomlion Heavy Industry Science & Technology Co., Ltd.,
2	Address of the Applicant :	No. 361 Yinpen South Road, Changsha, Hunan, 410013, P.R. China
3	Manufacturer of :	Side Marker Lamp Assembly (TAC No. CM6049)
4	Name of the Manufacturer :	M/s. Danyang Donggang Lamps Co., Ltd.
5	Address of the Manufacturing Plant:	Dongtougang Village, JiepaiTown, Danyang City, Jiangsu Province, 212300, China

Meets all the test requirements as per AIS:012 (Part 9) - Rev 1 as amended upto April 2019 as well as the requirements of Conformity of Production (COP) in accordance with Automotive Industry Standard AIS-037 with its Amend. No. 10.

Valid Until: * May change subjected to any further amendment in AIS : 037	31 st March 2025
Reference test report number:	"C T O L S 6 3 1 9" Dated: 04.04.2023
Previous COP Certificate number :	FIRST COP

ICAT Reference	CCCBVVERMEEL161943 dated 16-Nov-2022	Please turn over for DISCLAIMER
AUTHORISED SIGNATORY		
 GIRISH SINGH DEPUTY MANAGER	 MAHENDAR PAL ASST. GENERAL MANAGER	  MADHUSUDAN JOSHI SBO CENTRE - I
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INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

[A Division of NATRiP Implementation Society (NATIS), Govt. of India]

Non - Transferable

TEST REPORT

(For compliance to AIS-037)

ULR No. TC536023110000081F
TEST REPORT No. C T 0 L S 6 3 1 9





Date: 04.04.2023

- 1.0 NAME AND ADDRESS OF THE APPLICANT : M/s. Zoomlion Heavy Industry Science & Technology Co., Ltd.,
No. 361 Yinpen South Road,
Changsha, Hunan, 410013, P.R. China
- 2.0 APPLICANT'S REFERENCE : IOCS Regn. No. : CCCBVVERMEEL161943
Dated : 16-Nov-2022

3.0 DESCRIPTION OF TEST COMPONENTS :

Sr. No.	Component Description	TAC No.	E Approval No.	Part No.	Test Results
3.1	Side Marker Lamp- Category SM1 (24V LEDs Non-	CM6049 Dated 01.04.2021	E9 1212	DG2004-1	Annexure - I

- 4.0 MANUFACTURING ADDRESS : M/s. Danyang Donggang Lamps Co., Ltd.
Dongtougang Village, JiepaiTown, Danyang City,
Jiangsu Province, 212300, China
- 5.0 DATE OF RECEIPT OF SAMPLES : 02.03.2023
- 6.0 CONDITION OF SAMPLES : No Damage observed and found satisfactory.
- 7.0 FUNCTIONAL VERIFICATION : Functionality checked and found satisfactory.
- 8.0 DATE OF PERFORMANCE OF TEST : 14.03.2023
- 9.0 ANY DEVIATION OR EXCLUSION FROM TEST METHOD : No
- 10.0 LOCATION OF TEST : ICAT , Centre - I
- 11.0 OBJECTIVE, TEST PROCEDURE & TEST REQUIREMENTS :
To carry out the Applicable tests on Component (as Specified in Sr. No. 3.0 above) as per the requirement of Conformity of production Vide AIS:012 (Part 9) - Rev 1 as amended upto April 2019.
- 12.0 TEST RESULTS :
Please refer the Test Results in Annexure - I of this report.
- 13.0 CONCLUSION :
Component specified in Sr. No. 3.0 met the requirements of COP tests when tested as per the procedure mentioned in Sr. No. 11.0 above and AIS: 037 as amended up to November 2021.

Prepared By	Checked & Authorized By	Approved By	
			
MOHIT KUMAR	GIRISH SINGH	MAHENDAR PAL	
Engineer	Deputy Manager	Asst. General Manager	

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ULR No. TC536023110000081F
TEST REPORT No. C T 0 L S 6 3 1 9

Date:

04.04.2023

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12. The appropriate local court at Gurugram shall have the jurisdiction in respect of any dispute, claim or liability arising

Prepared By	Checked & Authorized By	 Page 02 of 03 [161943]
		
MOHIT KUMAR Engineer	GIRISH SINGH Deputy Manager	

ULR No. TC536023110000081F
TEST REPORT No. C T 0 L S 6 3 1 9

Date:

04.04.2023

Annexure I

1.0 Side Marker Lamp*: (Category SM1)

Ref. Source Used		24V LED (Non Replaceable), Test Volt - 28V			
1.1.1	TEMPERATURE STABILITY:				
Sr. No.	Test Point	Measured Value (cd.)			
		Samples	After 1 min	After 30 min	Ratio
1	H-V	Sample 01	14.3	12.2	1.17
2		Sample 02	11.6	9.9	1.17




1.1.2 Photometry Test :

Sr. No.	Test Points		Required Values (cd.)		Measured Values (cd.) after stabilization for 30 mins.	
	V	H	min.	max.	Sample 01	Sample 02
1	0	0	3.2	30.0	12.2	9.9
2	Angular field (H = $\pm 45^\circ$ & V = $\pm 10^\circ$)		0.48	30.0	(2.9) 15.3	(2.4) 12.4

* Samples tested after 01 min. and 30 mins. & found satisfactory.

1.1.3 COLORIMETRY TEST :

Colour Co-ordinates	Specified Values (Colour – Amber)	Measured Values (Satisfactory)	
		Sample 01	Sample 02
X Coordinate	As per AIS-010 (Part 5) - Rev. 1 as published on December 2010	0.5736	0.5731
Y Coordinate		0.4197	0.4202

Prepared By	Checked & Authorized By	 Page 03 of 03 [161943]
 MOHIT KUMAR Engineer	 GIRISH SINGH Deputy Manager	