

M-TEST (Mackay) Pty. Ltd. A.C.N. 010 691 906
A.B.N. 35 010 691 906
for **INSPECTION AND NON-DESTRUCTIVE TESTING**

Telephone: **(07) 4942 5600**
Fax: **(07) 4942 5746**
17 FURSDEN ST, GLENELLA,
MACKAY, QLD 4740
PO BOX 8267, MT PLEASANT,
MACKAY, QLD 4740

RO/SB
1st June, 2020
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INSPECTION REPORT NO. M20-717

CLIENT: **Minespec Parts Pty. Ltd.**

CLIENT CONTACT: Mr. N. Nygaard

ORDER NO.: P01007

COMPONENT IDENTIFICATION: **Komatsu WA900 Loader Front Axle Housing Spindles**

SUBJECT: Inspection and non-destructive testing of Komatsu WA900 loader front axle housing spindles at Minespec Parts, Nebo.

DATE OF TEST: 18th May, 2020

INSPECTOR: Mr. M. A. Shields,

TEST DATA:
Test Equipment - Electro-Spect 240V AC Bridge Magnet
8901W White Background/800/3 Black Magnetic Ink
Test Method - A.S.3978 MTP-101
A.S.1171 MTP-102
Demagnetised - No
Material Type - Carbon and cast steel
Acceptance/Rejection Criteria - Report all cracks and discontinuities detected
Surface Condition - Bare metal and machined
Limitations of Test - Client nominated areas of components only.



Accredited for compliance with ISO/IEC 17025 - testing & ISO/IEC 17020
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RESULTS OF EXAMINATION

VT - Visual Testing

MT - Magnetic Particle Testing

KOMATSU WA900 LOADER FRONT AXLE HOUSING SPINDLES

Refer to Photograph No. 1 - 3 for locations tested.

(VT) - No visual defects detected.

(MT) - Cracks detected, refer to Photograph Nos. 4 - 9.



M. A. SHIELDS

Inspector

Att.

PHOTOGRAPH NO. 1 - Locations tested



PHOTOGRAPH NO. 2 - Locations tested



PHOTOGRAPH NO. 3 - Locations tested



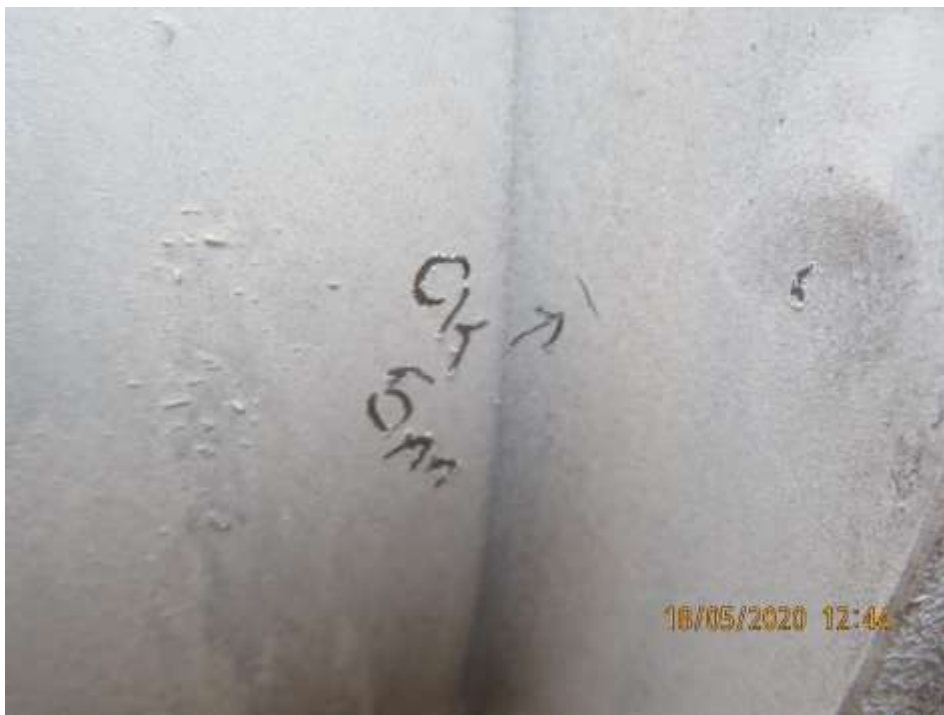
PHOTOGRAPH NO. 4 - Cracks detected



PHOTOGRAPH NO. 5 - Crack detected (location)



PHOTOGRAPH NO. 6 - 5mm crack detected



PHOTOGRAPH NO. 7 - Cracks detected (location)



PHOTOGRAPH NO. 8 - 3mm crack detected



PHOTOGRAPH NO. 9 - 9mm crack detected



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