

Redmond Gary

RG

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SERVICE BULLETIN

DATE: 30th October, 2015

MACHINE OR VEHICLE AFFECTED: All TF and TL Model MEWPs

SERIAL NOS: All

RISK IDENTIFIED: Incorrectly torqued fasteners

DESCRIPTION: Use of Loctite Thread Locker & Torque Seals

Redmond Gary Australia apply Loctite 243 and torque seal (a visual movement indicator) to structural and other critical fasteners during the MEWP manufacturing process. These include:

- Main boom lift cylinder pin cap screw retainers
- Main boom lift cylinder rod pin cap screw retainers
- Subframe fishplate, jackleg & turret bolts/studs
- Slew bearing, slew motor & pinion studs
- Levelling rod bolts
- All grub screws for boom pivot & cylinder pin retainers
- Extension drive chain support block cap screws
- Extension drive pivot blocks cap screws
- Basket pivot pin cap screw retainers
- Slew coupling mounting plate studs
- Hydraulic pump mounting studs
- Mudguard mounting tube bolts

Maintenance personnel should apply Loctite 243 and torque seal (to visible fasteners only) to the fasteners listed above, which require replacement during the life of the MEWP.

NOTE – Torque seal is a visual movement indicator only and unbroken torque seal does not guarantee the fastener is still torqued to the recommended assembly torque. A bolt/stud can stretch over a period of time, thereby reducing the preload tension on the joint and causing the fastener to become ‘loose’.

REVISED FASTENER MAINTENANCE REGIME

RGA recommend the following checks are performed, in addition to the visual fastener checks detailed in the 6 & 12 monthly maintenance tables, in Section 6 of the MEWP operators manuals:

- Perform a sample check, at 6 monthly intervals, on 5% of the structural fasteners which are listed in the 6 & 12 monthly maintenance tables, in Section 6 of the operator's manuals. The sampled fasteners could be identified by using a different colour torque seal.
- If any fasteners on a particular component are found to be insufficiently torqued, then the remaining 95% of fasteners on that component must also be checked, for the correct torque settings.

CUSTOMER ACTION REQUIRED:

MEWP owners must circulate this bulletin to all their maintenance personnel.

RG ACTION REQUIRED:

Current operator's manuals will be updated to include the 'revised fastener maintenance regime' above and a note regarding application of Loctite 243 and torque seal, for replacement fasteners.

Please contact Grant Cheetham, our Service & Spare Parts Manager, on (07) 5594 9844 or Mobile 0438 748 363, if further information is required.

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Grant Cheetham
Service & Spare Parts Manager