



## **PRODUCT BULLETIN 36229**

MWM series 10 deflector plate design improvement

**Date:** 13/03/2023

**Prepared for:** Owners and End Users of Cougar Mining Equipment MWM engine packages MDR 114056-DES.

**Applicable Machines:** MWM Engines serial numbers E2NXXXXXX

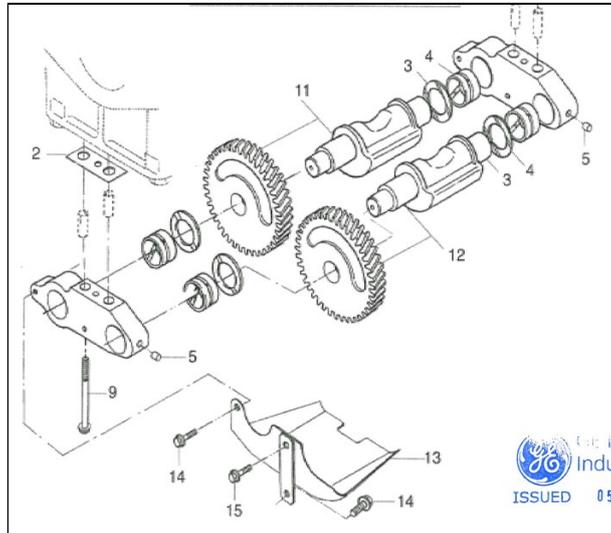
**Prepared by:** Cougar Mining Equipment

**Revision:** A

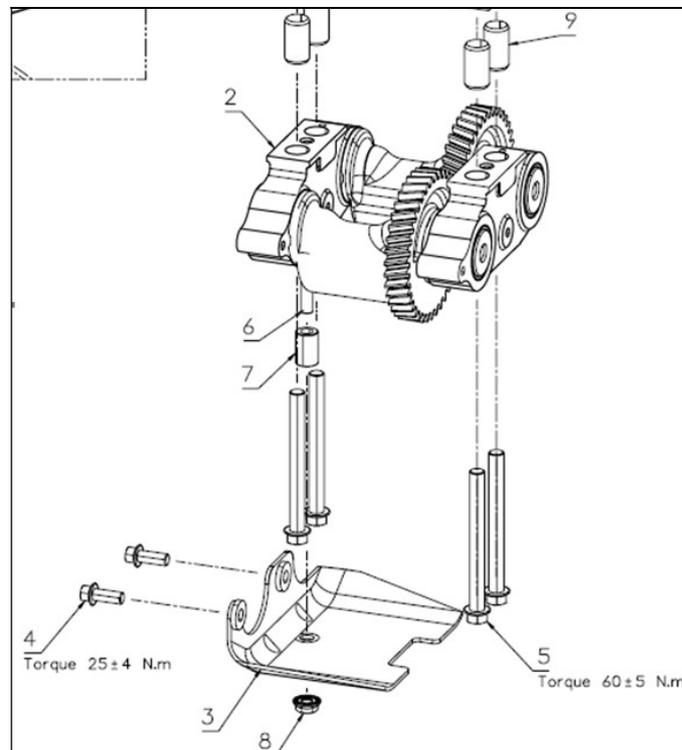
## Communication: Deflector plate security

Cougar Mining Equipment recently discovered a issue whereby a deflector plate on an MWM Engine that had fallen off into the oil pan. Upon inspection, the deflector plate had cracked through the mounting points that connect the deflector to the harmonic balancer.

Two different deflector plate mounting designs have since been identified, as issued by MWM.



**Deflector design 1:** As depicted in parts manuals, this version of the deflector only depicts horizontal fasteners as per figure 1:



**Deflector design 2:** This version depicts horizontal and a vertical stud, spacer and nut

Upon further inspection, it was identified that the securing stud, spacer and nut, were not present on the failed deflector.



**Figure 3: Deflector design 2 as installed with sump removed. Note protruding vertical fastener.**

### **Recommended Action:**

1. At the next available opportunity, inspect engines of serial number E2NXXXXXX to ensure the vertical fastener is also installed as per deflector design number 2.
2. Where deflector design 1 is installed, contact Cougar Mining Equipment to arrange installation of the deflector design 2

Please distribute this bulletin to all relevant personnel

**Cougar Mining Equipment Contacts in respect to this bulletin:**

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