

GE Mining
Industrea

BULLETIN 34181
MWM ENGINE SYSTEM
GRADER EXHAUST SYSTEM SURFACE
TEMPERATURE

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Prepared for: Industry

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BULLETIN MWM Grader Exhaust Surface Temperature

GE Mining advises the following in relation to the MWM Diesel Engine System MDR 114056 (DES) installed on GE Graders

Background:

In Bulletin 34110, GE Mining previously advised of an exhaust turbo adapter plate over temperature during torque stall on two GE Graders fitted with MWM 4.1 TCA Engine systems MDR 114056

Communication:

After further investigation of these two occurrences, it has been established that during the abnormal condition of extended torque stall, heat loading on the Grader cooling system may lead to surface temperatures above 150°C at the exhaust turbo adapter plate.



Exhaust adapter plate without heat shield installed

Action: Heat Shield Fitment

After consideration of the potential risk in this application, GE recommends that Graders installed with MWM engine systems be fitted with an exhaust turbo adapter heat shield assembly (7-055756-700), as described below, at the next available service opportunity. The heat shield assembly installation does not require removal of the turbo or exhaust adapter and therefore does not disturb the explosion protected joints.

This alteration of the approved Diesel Engine System impacts the design registration for the grader application. GE Mining is currently preparing a revision of the design registration to cover this alteration specifically for graders and will advise when it is available.



MWM Engine System with the Heat Shield Assembly P/N 7-055756-700 Installed

This Bulletin is applicable to the following machines;

Grader Serial Number	Plant Identification	State
Grader 038	GD19	NSW
Grader 037	GD002	NSW
Grader 036	GR001	NSW
Grader 035	GRD035	NSW
Grader 034	MGL01	QLD
Grader 033	GRDW002	NSW
Grader 032	GR032 (installed)	QLD
Grader 031	GR568	NSW
Grader 030	GDR001	QLD
Grader 029	GRD101	NSW
MG 46-7532	GRS30	NSW

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