

HD465-8 / HD605-8 Rigid Truck (Tier 4 final engine)

Extended Idle Procedure

(ambient temp below 0°C)

It is recommended under normal operating conditions the AISS Low Switch (Auto Idle Setting System) is set to the OFF position. This allows the engine to be run at a factory set elevated RPM when the park brake is applied and the coolant temperature is below the specified value to help maintain engine temperature.

In the event that more fine control is required (like when entering a workshop) the AISS switch can be turned ON. This allows the engine rpm to be kept at the lowest setting.










Engine Shut Down

At all times the engine needs to be run at **low idle** for a minimum of 5 minutes before shutting the engine off.

FAILURE to follow this procedure will result in premature turbocharger failure and warning code AS10NT activation which leads to failure of the DEF Injection Module.

AISS
Low Switch



MACHINE STATUS	KDPF REGNERATION STATUS ICON	SOOT GAUGE	SOOT GAUGE COMMENTS	BUZZER STATUS	OPERATOR ACTION REQUESTED	ACTION TO TAKE	REASON FOR ACTION
Working Normally	Passive Regeneration (no icon displayed)		0 to 2 Green Bars	NA	No	No Action Required	NA
Working Normally	 (Automatic) Active KDPF Regeneration		3 Green Bars	NA	No	No Action Required	(Automatic) Active Regeneration (dosing) in progress.
Working Normally, but operator input required	 LO1 Request for KDPF Manual Regeneration		1 or 2 Yellow Bars	NA	Yes	Complete Manual Regeneration. If Manual Regeneration is ignored, the soot bars will continue to climb until the engine derates (limp mode).	The possible cause of increased Manual Regeneration requests are possibly due to improper idling, excessive idling, or low load.
Engine is De-Rated (limp mode)	 LO3 Urgent request for KDPF Manual Regeneration. Engine is De-rate		3 or 4 Yellow Bars	Intermittent	Yes	Failure to perform the Manual Regeneration immediately will result in engine going into permanent limp mode.	Manual Regeneration not being performed in a timely manner or there is a possible engine issue.
Stop Machine (permanent limp mode)	 LO4 Manual Regeneration Disabled. Engine in permanent De-rate		1 Red Bar	Continuous	Yes	Stop the engine immediately! Contact SMS Equipment for assistance. Manual Stationery Regeneration no longer possible.	Manual Regeneration not being performed in a timely manner or there is a possible engine issue.