

7.1 Diagnosis Chart

- Faults are often caused by maloperation of the engine or failure to service the engine.
- In the event of a fault, always check whether the operating and servicing regulations have been adhered to.
- A corresponding fault table can be found on the adjacent page.
- If you cannot ascertain the cause of a fault or cannot rectify the fault, please contact DEUTZ SERVICE.

7.1 Diagnosis Chart

Faults, Causes and Remedies

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Fault										Remedy	
●										Engine fails or is difficult to start	Check P
										Engine starts but runs unevenly or stalls	Adjust E
										Engine overheats. Temperature monitor gives warning	Replace W
										Engine gives poor performance	Clean R
										Engine not firing on all cylinders	Top up A
										Engine has little or no oil pressure	Lower level S
										Engine oil consumption excessive	
										Engine smokes – blue	
										– white	
										– black	
										Cause	Section
●										Not declutched (where possible)	Operation P
●								●		Below starting limit temperature	P
			●			●				Oil level too low	A
			●	●			●	●		Oil level too high	P
						●	●	●		Excessive inclination of engine	S
●						●				Incorrect lube oil SAE class or quality	Operating media W
●	●		●					●		Fuel quality not as per operating manual	W
			●	●					●	Air cleaner clogged / turbocharger defective	Combustion air P / W
			●	●					●	Air cleaner service switch / indicator defective	P / W
									●	LDA* defective	P
				●					●	Charge air line leaking	P
			●							Oil cooler panels clogged	Cooling system P / R
			●							Cooling fan defective, split or loose V-belt	P / W
			●							Cooling air temperature rise / heating short circuit	P
			●							Resistance in cooling system too great / through-flow quantity too small	P
●										Battery defective or discharged	Electrics P / A

* LDA = Aneroid device

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