

Faults, causes and remedies

9 Faults, causes and remedies

NOTE

*) Faults may be eliminated only by authorised personnel

Fault	Probable cause	Remedy
Engine		See the operating instructions for the engine
Engine does not start.	Drive switch (4-10/12) is not in neutral position	Set the drive switch to the neutral position
The telescope arm cannot be lifted/lowered	Pressure-relief valve in servo valve is open	Remove and clean entire pressure-relief valve, readjust*
	Pilot valve for working hydraulics (4-10/9) is locked	Unlock pilot valve (1-2/arrow)
	Pilot pressure too low or does not exist	Open, clean and readjust pressure-relief valve in control line *
	Diesel engine failed	Spring force can be used to bring the telescope arm to its lowermost position immediately after an engine failure. » Does not apply when pipe break protection is installed «
Steering is sluggish	Pressure-relief valve in steering unit is open	Remove and clean entire pressure-relief valve, readjust*
	Slide in priority valve stuck	Replace priority valve *
Swivel unit does not swivel	Blocking wedge blocks swivelling (1-4/arrow)	Remove blocking wedge and store in holder
	Pressure-relief valve in servo valve is open	Remove and clean entire pressure-relief valve, readjust*
Support fails	Switching of stop valve in frame under revolving seat stuck	Bring telescope arm into travel direction; free off leverage
The support fails when the telescope arm is lowered in a swivelled state	Non-return valve in pressure line stuck in open position	Bring telescope arm into travel direction, remove and clean non-return valve (replace if necessary) *

Fault	Probable cause	Remedy
Faults in the driving and working hydraulics	Clogged filter	Replace filter cartridges
	Lack of oil in hydraulic oil reservoir	Top off oil
	Electrical connection at axial piston pump are not tight, are not connected or are oxidised	Establish or clean connections according to electric wiring diagram
	High-pressure valves soiled	Clean the high-pressure valves
Faults in the braking system	Parking brake does not hold the device	<p>Check setting, adjust if necessary *</p> <p>Check whether electrical traction drive break is connected to brake lever</p>
Alternator does not charge	Loose connection	Press in and lock connection
	V-belt torn	Replace V-belt
	Alternator speed too low	Check V-belt tension, tighten if necessary
Heater and ventilation system failed	Fuse in fuse box blown	Replace fuse
Hose couplings of attachments cannot be connected	Increased pressure due to heating of the attachment	<p>Carefully loosen the screwed connection on the end of the hose using the quick-change couplings. Oil squirts out and the increased pressure is eliminated. Tighten the screwed connection.</p> <p>NOTE Waste oil must be disposed of in such a way that it will not cause pollution!</p>
	Increased pressure in basic machine	Turn off the engine and eliminate pressure from the lines by repeatedly moving the pilot valve for the auxiliary hydraulics (4-10/2) to and fro.