

Troubleshooting in a hydraulic system

Troubleshooting	Possible cause
No movement on start-up	<ul style="list-style-type: none"> • Oil level too low • Wrong oil quality • Oil viscosity too high • Air in the system • Blocked suction filter • Leaky pressure relief valve • Mechanical fracture in the system • Worn pump
Too slow movement	<ul style="list-style-type: none"> • Worn pump • Air in the system • Leak in suction pipe • Leaky suction pipe • Leaky pressure relief valve • Worn pump gasket
Uneven movement	<ul style="list-style-type: none"> • Air in the system • Damaged accumulator • Piston seal too narrow
Movement stops during operation	<ul style="list-style-type: none"> • Oil level too low • Hydraulic hose rupture
Operating pressure too low	<ul style="list-style-type: none"> • Leaky oil pipes/hoses • Leaky valve • Contaminants in valve • Worn valve • Defective valve seats
Abnormal noise in the system	<ul style="list-style-type: none"> • Air in the system • Contaminants in oil filter • Oil level too low or oil viscosity too high • Too little oil in the pump's suction pipe • Spring in pressure relief valve or check valve is too weak or defective
Oil gets too hot	<ul style="list-style-type: none"> • Wrong oil viscosity • Contaminants in the oil • Level too low • Contaminants in the pressure relief valve • Worn pump
Foaming oil	<ul style="list-style-type: none"> • Air in the system • Oil level too low • Wrong oil quality • Contaminated oil • Reservoir baffle wrongly positioned