

CS CYLINDER

SYMPTOM	CAUSE	SOLUTION
Movement is jerky / Slow lift off	Air in system Low oil level	Bleed cylinder (see bleed procedure) Check for suction hose line for loose connections Add oil and confirm minimum 100mm level above tank outlet at full tip
Will not tip / Stops at top of a stage	Overloaded Pressure too low Loaded to the front Run out of oil	Check load Check PTO is engaged Cab control may be leaking air Check pressure - Replace overload cartridge if necessary. Reposition load evenly in the body Check oil level as above
Out of sequence during tipping / lowering	Bent tubes Air in system Brackets seized Misaligned cylinder	Look for scored/bent tubes and replace Bleed cylinder Dismantle and lubricate Check geometry
Ram nut leaks	Cracked ram nut Base ovalality	Sideload problem Replace ram nut - Check base tube roundness Replace cylinder if damaged
Main seal leaks	Worn seals Scored tube(s) Dirty oil	Replace seals Polish or replace tubes Check oil condition - should be better than ISO4406 class 19/16. Replace if necessary
Oil escaping through filler cap	Cylinder requires bleeding	Too much or too little oil in tank, Operator error, tipping on uneven ground. Carry out bleed procedure, add/remove oil if necessary.