

Hydraulic System

Loss of Pressure/Low Pressure	
<i>Note if pump has no load on it, low pressure can be normal</i>	
Pump is not priming	Check fluid level Check hoses/connections secure Check pump is correctly setup
Internal leakage	Check seals for wear/damage
External leakage	<i>*Never check hydraulic hoses under pressure with your hands</i> Check hoses/connections for cuts, splits or bulges Check pump/valve housings for sings of leak
Relief Valve	Reset pressure Check operation

Hydraulic Oil Grade Application Guide						
ISO Viscosity		32	46	68	100	
Approximate SAE		10W	15	20	30	
API Gravity lbs/ gal	ASTM D-287	31.6/7.22	30.7/7.26	29.7/7.31	28.9/7.35	
Viscosity @ 40°C, cSt	ASTM D-445	31.7	47	69	102	
Viscosity @ 100°C, cSt	ASTM D-445	5.3	6.9	8.7	11.7	
Viscosity Index	ASTM D-2270	98	102	97	103	
Pour Point °F (°C)	ASTM D-97	-38 (-39)	-33 (-36)	-27 (-33)	-22 (-30)	
Flash Point, COC	ASTM D-92	420°F	440°F	450°F	460°F	
Fire Point, COC	ASTM D-92	445°F	465°F	475°F	486°F	

No Flow/Delivery	
Pump Speed too slow	Adjust speed
Blocked suction	Check/replace if necessary
Low system oil level	Top up as required <i>*do not overfill</i>
Incorrect grade oil	Drain reservoir, flush hoses and replace with correct grade oil
Quick Release Coupling (QRC)	Check coupling security, connection and condition. Replace/clean if necessary
Pump failure	Check/replace if necessary
Hoses incorrectly coupled	Check hoses are connected Ensure case drain hoses are connected where required
Ensure couplings are compatible	
	