

SEASONAL SERVICE CHECKLIST

HYDROSTATIC PERFORMANCE PARAMETERS

PRE-SERVICE

- 1 - Inspect tank & pressure cap condition.
- 2 - Inspect hoses for rubbing, wear & leaks, Forward high pressure hoses should be replaced at approx. 3500 hrs or as needed.....
- 3 - Check & adjust Sauer-Sundstrand pump system pressures as required (Charge pressure checked @ 1400 RPM, High pressure & case pressure checked @ 2400 RPM).

Mechanic

Date

NOTE: Parameters mentioned below are precise gauge readings.

DRIVE PUMPS		Pressure	Actual	Set To
RH Side	Charge in neutral	28 bar $\pm$ 1.7 (400 PSI $\pm$ 25)	410 PSI	
RH Side	Charge under load (w.o. flush valve)	Up to 3.5 bar (50 PSI) drop from charge in neutral	405 psi	
RH Side	Fwd High	486 bar $\pm$ 7 (6900 PSI $\pm$ 100)	6800PSI	
RH Side	Rev High	486 bar $\pm$ 7 (6900 PSI $\pm$ 100)	6800 PSI	
LH Side	Charge in neutral	28 bar $\pm$ 1.7 (400 PSI $\pm$ 25)	410 PSI	
LH Side	Charge under load (w.o. flush valve)	Up to 3.5 bar (50 PSI) drop from charge in neutral	400 PSI	
LH Side	Fwd High	486 bar $\pm$ 7 (6900 PSI $\pm$ 100)	6800 PSI	
LH Side	Rev High	486 bar $\pm$ 7 (6900 PSI $\pm$ 100)	6800 PSI	
System	Max Case Pressure	3 Bar (45 PSI)		No Adjustment
THIRD PUMP				
Charge in neutral		28 bar $\pm$ 1.7 (400 PSI $\pm$ 25)		
Charge under load (w.o. flush valve)		Up to 3.5 bar (50 PSI) drop from charge in neutral		
Fwd High		421 bar $\pm$ 13.8 (6100 PSI $\pm$ 200)		
Rev High		421 bar $\pm$ 13.8 (6100 PSI $\pm$ 200)		

NOTE: Check hydrostatic thermostat operation while system is hot, confirm temperature at cooler feed line.