



System A Hydraulic Leak

If a leak develops in the engine-driven pump or its related lines, a standpipe in the reservoir prevents a total system fluid loss. With fluid level at the top of the standpipe, the reservoir quantity displayed indicates approximately 20% full. System A hydraulic pressure is maintained by the electric motor-driven pump.

If a leak develops in the electric motor-driven pump or its related lines, or components common to both the engine and electric motor-driven pumps, the quantity in the reservoir steadily decreases to zero and all system pressure is lost.

System B Hydraulic Leak

If a leak develops in either pump, line or component of system B, the quantity decreases until it indicates approximately zero and system B pressure is lost. The system B reservoir has one standpipe which supplies fluid to both the engine-driven pump and the electric motor-driven pump. However, with fluid level at the top of the standpipe, fluid remaining in the system B reservoir is sufficient for power transfer unit operation.

A leak in system B does not affect the operation of the standby hydraulic system.

Standby Hydraulic System Leak

If a leak occurs in the standby system, the standby reservoir quantity decreases to zero. The LOW QUANTITY light illuminates when the standby reservoir is approximately half empty. System B continues to operate normally, however, the system B reservoir fluid level indication decreases and stabilizes at approximately 72% full.

HYDRAULIC SYSTEM

Sys	(CL)			(NG)		Pressure	Status
	USG	Indication		USG	Ind.		
A				6.80	106%		Max. capacity - Overfill
	4.80	F	100%	5.70	100%	3000 PSI	Full
	4.20	RFL	88%	4.70	76%	3000 PSI	Refill limit
	4.00		83%	4.00	70%	3000 PSI	Gear Up - In FLT
	1.80	<1/4	22%	2.30	20%	3000 PSI	Leak in EDP System OK
	1.00	0	0%	1.00	0%	> 0 PSI	Zero QTY indication
	0.00			0.00		0 PSI	Leak in EMDP or lines Loss of System A
B				10.70	106%		Max. Capacity - Overfill
	7.20	F	100%	8.20	100%		Full
	6.40	RFL	88%	6.90	76%	3000 PSI	Refill Limit
	4.95	>1/2	64%	6.60	72%	3000 PSI	Leak in STBY System Loss of STBY System
	3.50	<1/2	40%			3000 PSI (CL)	Leak in EDP System OK (CL)
	1.30	>0	5%	1.30	0%	> 0 PSI	Leak in EMDP or lines Loss of System B but sufficient for PTU
	1.00	0	0%			> 0 PSI	Zero QTY indication
	0.00			0.00		0 PSI	Leak in PTU Loss of System B + PTU
STBY	2.80	-	-	3.60	-		
	1.40	LOW QTY		1.80	LOW		Loss of STBY System