## **CATERPILLAR®**

SENR3290 April 1986

## Schematic

## D11N Tractor Hydraulic System

74Z1-UP

FLUID POWER SYMBOLS							
BASIC COMPONENT SYMBOLS							
PUMP or MOTOR FI	LUID CONDITIONER	\$ CONTROL VALVES	)( RESTRICTION	) ( LINE RESTRICTION (FIXED)		PUMP: VARIABLE and ESSURE COMPENSATED	
VARIABILITY		RESTRICTION PRESSURE COMPENSATION	HYDRAULIC I ENERGY	PNEUMATIC TRIANGLES	LINE RESTRICTION VARIABLE and PRESSURE COMPENSATED	ATTACHMENT	
VALVE ENVELOPES		VA	VALVES		VALVE PORTS		
ONE POSITION	TWO POSITION	THREE POSITION	TWO-WAY	THREE-W	JAY FC	DUR-WAY	
	CONTROL VAL	VES			CHECK VALVES		
P T NORMAL POSITION	P T SHIFTED POSITIO	N INFINITE POSITION	BASIC	SPRING LOADED	SHUTTLE	PILOT CONTROLLED	
FLUID STORAGE RESERVOIRS							
VENTED	PRESSURIZED	RETURN	N ABOVE FLUID LEVEL	-	RETURN BELOW	V FLUID LEVEL	
	MEASUREMEN	IT		ROTATING SHAFTS			
PRESSURE	TEMPERATURE	FLOW	UNIDIRECTIO	NAL	BIDIRECTIONAL		
COMBINATION CONTROLS							
SOLENOID	SOLENOID or MANUAL		SOLENOID and	SERVO	THERMAL	DETENT	
MANUAL CONTROL SYMBOLS							
PUSH-PULL LEVER	MANUAL SHI		ERAL MANUAL	PUSH BUTTON	PEDAL	SPRING	
RELEASE	ED PRESSURE	PILOT CON	PILOT CONTROL SYMBOLS		REMOTE SUPPLY PRESSURE		
EXTERNAL RETURN	INTERNAL RE	TURN		SIMPLIFIED	COMPLETE	INTERNAL SUPPLY PRESSURE	
ACCUMULATORS		CROSSING AN	CROSSING AND JOINING LINES		HYDRAULIC AND PNEUMATIC CYLINDERS		
SPRING LOADED	GAS CHARGED	LINES CROSSING	LINES JOINING	SINGLE ACTI	- - NG	DOUBLE ACTING	
HYDRAULIC PUMPS		HYDRAU	HYDRAULIC MOTORS		INTERNAL PASSAGEWAYS		
FIXED VARIABLE DISPLACEMENT DISPLACEMENT NON-COMPENSATED					THREE POSITION	TWO POSITION	
UNIDIRECT BIDIRECT			UNIDIRECTIONAL BIDIRECTIONAL		PARALLEL CROS		
			<i>X</i>	FLOW IN ONE DIRECTION			

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16 Page, (Dimensions: 34 inches x 24 inches)



