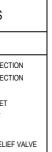


INSTRUMENT LIST									
INSTR. NO.:	APPLICATION:	INSTRUMENT TYPE:	RANGE/ RATING:	SET POINT:	FUNCTION/REMARKS:				
M 1-5 DRIVER FOR MAIN HYDRAULIC PUMP		ELECTRIC MOTOR							
DE 1-3	DRIVER FOR MAIN HYDRAULIC PUMP	DIESEL ENGINE							
ZS 1-8	SUCTION VALVE POSITION	PROXIMITY SWITCH	OPEN / CLOSED		SHUT DOWN CORRESPONDING POWERPACK WHEN SWITCH IS OPEN. (VALVE NOT FULLY OPEN)				
ZS 11	SERVICE VALVE POSITION	PROXIMITY SWITCH	OPEN / CLOSED		SHUT DOWN WHEN SWITCH IS OPEN. (VALVE NOT FULLY OPEN)				
PT1	SYSTEM PRESSURE SYSTEM PRESSURE LOW. ALARM	PRESSURE TRANSMITTER	0-400 bar/4-20 mA	< 40	MONITORING DELAYED 5 sec				
PT2	PROTECTION/FEED PRESSURE	PRESSURE	0-16 bar/4-20 mA		MONITORING				
	FEED PRESSURE LOW. ALARM			< 4.0 bar	WHEN PP's RUN DELAY 20 sec				
	FEED PRESSURE LOW LOW. ALARM AND SHUT DOWN HPU			< 2.0 bar	WHEN PP's RUN DELAYED 3 sec				
PT3	RETURN PRESSURE UPSTREAM FILTER	PRESSURE TRANSMITTER	0-16 bar/4-20 mA						
	CLOGGED FILTER. ALARM			PT3-PT2A > 2.5 bar	WHEN OIL TEMP >30°C DELAYED 5				
	PROTECTION PRESSURE LOW. ALARM PROTECTION PRESSURE CONTROL			< 2.0 bar	WHEN NO PP's RUN DELAY 30 sec				
TT1A	HYDRAULIC OIL TEMPERATURE	TEMPERATURE TRANSMITTER	0-100°C/4-20 mA		MONITORING				
	HYDRAULIC OIL TEMPERATURE HIGH. ALARM UNLOAD POWER PACKS			> 60°C > 65°C	DELAYED 2 sec RE-LOAD < 60°C				
TT1B	HYDRAULIC OIL TEMPERATURE	TEMPERATURE TRANSMITTER	0-100°C/4-20 mA	2000					
	COOLING WATER VALVE OPEN COMMAND COOLING WATER VALVE CLOSE COMMAND			> 50°C < 30°C	55°C, WHEN NO PP's RUN 49°C, WHEN NO PP's RUN				
	DEVIATION ALARM, $\Delta T_{1A-1B} > \pm 5 °C$								
XY 1-5	UNLOADING VALVE OPEN DURING START OF EL. POWERPACK	SOLENOID VALVE	0-280 bar	OPEN	DELAYED 10 sec				
XY 6-8	UNLOADING VALVE OPEN DURING START OF DIESEL. POWERPACK OPEN DURING COOL DOWN SEQUENCE	SOLENOID VALVE	0-280 bar	OPEN OPEN	DELAYED 3 min				
PCV1	MAIN PRESSURE SETTING	PROP. PRESSURE RELIEF VALVE	5-440 bar		RAMP TIME 15 sec				
XS1-8	WEAR INDICATOR HYDRAULIC PUMPS PARTICLES ON SWITCH. ALARM	WEAR INDICATOR	OPEN / CLOSED	CLOSED					
LSH 1-2	LEAKAGE DETECTION LEVEL HIGH. ALARM	LEVEL SWITCH		ON / OFF					

NOZZLE CONNECTIONS							
	SIZE	SERVICE					
N1A	DN100/110 FRAMO	MAIN PRESSURE CONNEC					
N1B	DN100/110 FRAMO	MAIN PRESSURE CONNEC					
N2	DN200 PN16	MAIN RETURN					
N3	DN125 PN16	COOLING WATER OUTLET					
N4	DN125 PN16	COOLING WATER INLET					
N5	G 1" FEMALE	FILTER DRAIN					
N7	DN150 PN16	TO FEED PRESSURE RELI					
N8x2	G ½" FEMALE	DRIPTRAY DRAIN					
N10	DN65 PN16	DRAIN CONNECTION					

* TO BE LOCKED IN OPEN POSITION

R. Descri



		Status	Sign.	Date		This drawing is our property. It is not to be traced, copied
		Constr.	SvB	03 Nov 17		or published without our written consent. nor to be
						misused in any way.
		Drawn by	JEOE	03 Nov 17		Replaces:
		Checked	SvB	03 Nov 17	HYDRAULIC	Replaces.
		Onconod	SVD	03 100 17		0216-2960-1
		Prot. rel.			DIAGRAM	
cription	Sign./Date	Prod. rel.	SvB	03 Nov 17	POWER UNIT	Replaced by: