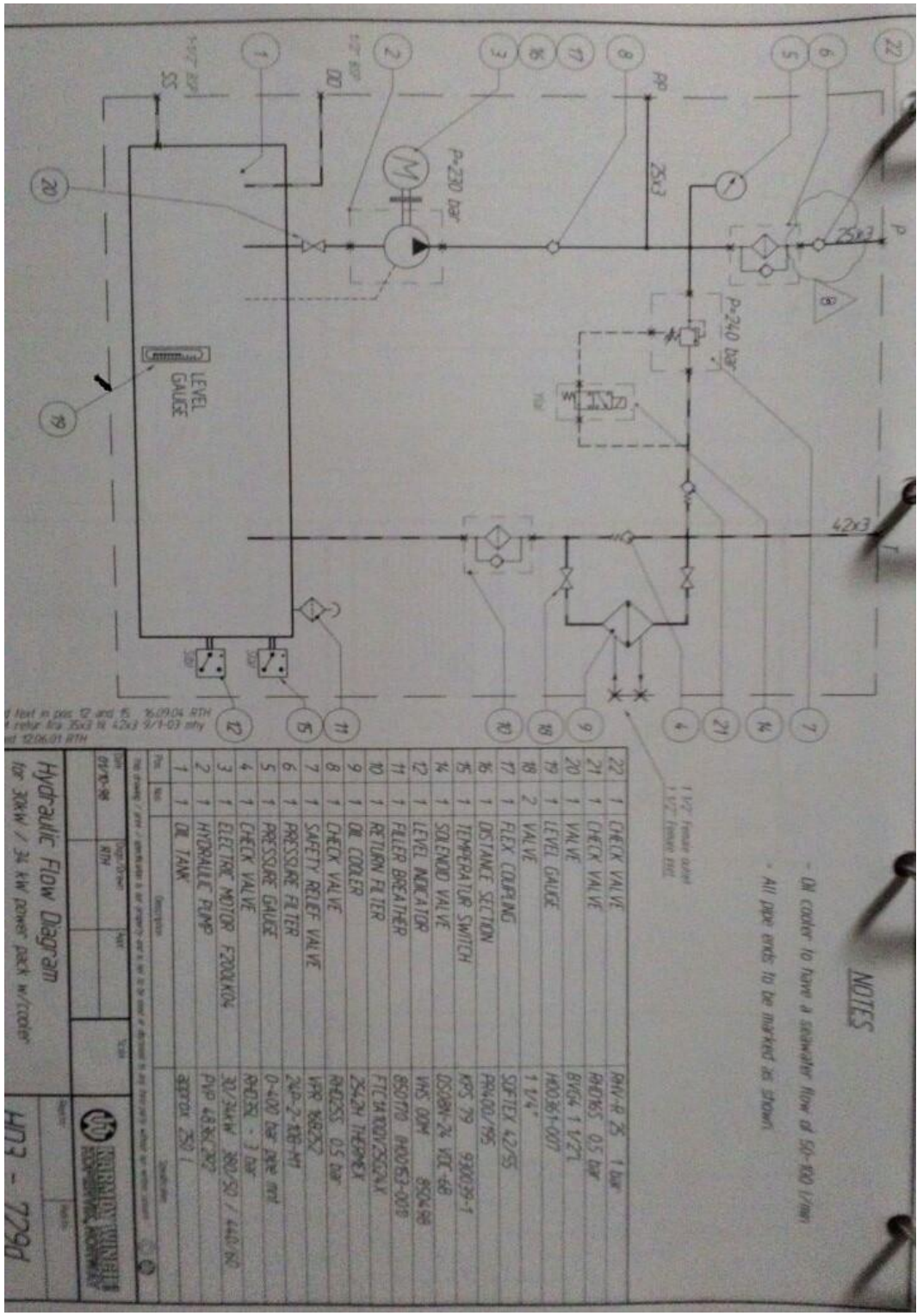


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NOTES

- Oil cooler to have a minimum flow of 50-80 l/min
- All pipe ends to be marked as shown

No.	Description	Quantity	Specification
22	CHECK VALVE	1	84V-R 25 1 bar
21	CHECK VALVE	1	84D-RS 0.5 bar
20	VALVE	1	8V64 1 V2T
19	LEVEL GAUGE	1	480361-007
18	VALVE	2	1 V4"
17	FLEX COUPLING	1	SAFEX 42/55
16	DISTANCE SECTION	1	FR400/795
15	TEMPERATURE SWITCH	1	895 79 980099-1
14	SOL ENDO VALVE	1	DS508V-28 VTC-68
13	LEVEL INDICATOR	1	WMS 004 850488
12	FELER BREAKER	1	850710 840053-008
11	RETURN FILTER	1	FLTA R00V25GAX
10	OIL COOLER	1	2642H THERPICK
9	CHECK VALVE	1	84E255 0.5 bar
8	SAFETY RELIEF VALVE	1	WRP 88252
7	PRESSURE FILTER	1	24D-2-808-M
6	PRESSURE GAUGE	1	0-400 bar 200 mm end
5	CHECK VALVE	1	84D-RS - 3 bar
4	ELECTRIC MOTOR	1	3U/24kW 300/50 / 440/60
3	HYDRAULIC PUMP	1	PIP 48361-202
2	OIL TANK	1	3370L 250 l

Hydraulic Flow Diagram
for 30kW / 24 kW POWER PACK w/cooler



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Karm Fork Yearly Control



Check point	What to do	Result
Fork (stopper)	See Skjema Nr.77 and chapter 10 and 6.14 in user manual	
Towingpins	See Skjema Nr.77 and chapter 10 and 6.14 in user manual	
U-insert	Looking for wearing and cracks	
Hydraulic cylinders	Check for damage and leakage	
Connection points	Check all bolt connections at Fork and Towingpins	
Rotation Towingpins	Check all moveable parts for damage	
Towingpin roller	Check for wearing. Can the roller rotate?	
Hydraulic oil	Oil test. See chapter 5.2 in User manual	
Pipes and fittings	Check for corrosion and leakage	
Hydraulic hoses	Check for leakage	
Pressure filter	Change filter. See chapter 6.2 in User manual	
Drain filter	Change filter. See chapter 6.2 in User manual	
Hydraulic pump	Check for noise and leakage	
Electric connections	Check connections for damage	
Accumulator	Check nitrogen pressure. For pressure, see hydraulic diagram in User manual. Remember to drain oil before check	
Pump stop	Run the pump without any operations. Pump should stop after 15 min.	
Oil cooler	Check for inside corrosion	
Greasing	Grease up the Karm fork system. Over deck and under deck	
Testing	Drive the system. Test all functions from both control panels	
Information; According to DNV and their reference to NMD's rules, the final acceptance of the Fork (shark jaw) is pending of successful test of release under dead ship condition with wire tension corresponding to 40% of the design SWL for the fork.		

Yearly control can be performed by the ship crew.
 5 years control together with the classification society.

See User Manual for general information regarding maintenance

Date: _____

Sign.: _____