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R4173		Maersk Guardian
T7691		Maersk Guardian, Pedestal Crane OC 2500 LD

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	7.1	Hoisting System			
		Drawing, Hydraulic Schematic Hoisting System		1	T7691-H0001 GUA.05.0400.000.361
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	7.2	Luffing System			
		Drawing, Hydraulic Schematic Luffing System		1	T7691-H0002 GUA.05.0401.000.361
R4173		Maersk Guardian			
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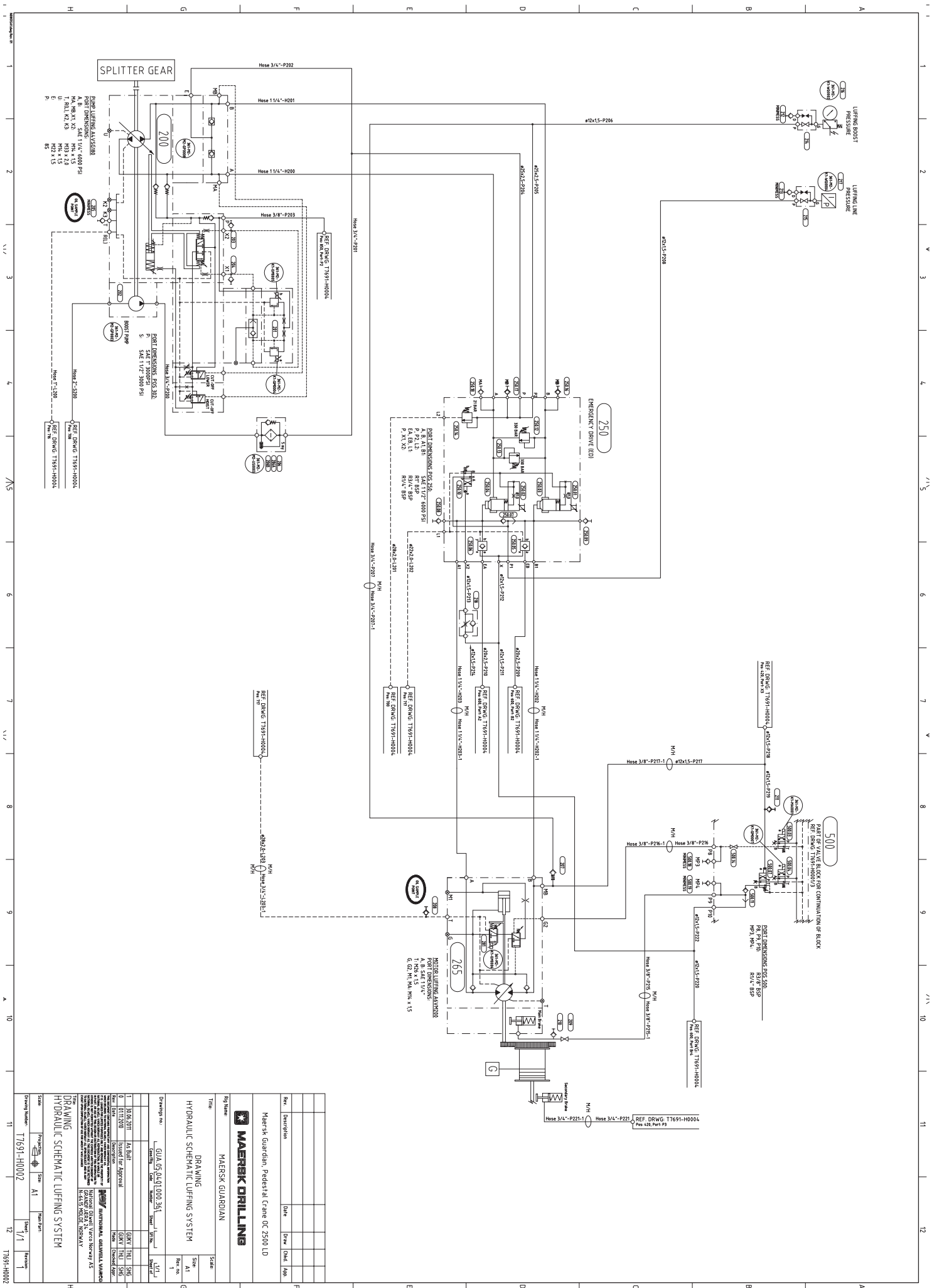


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	7.3	Slewing System			
		Drawing, Hydraulic Schematic Slewing System		1	T7691-H0003 GUA.05.0402.000.361
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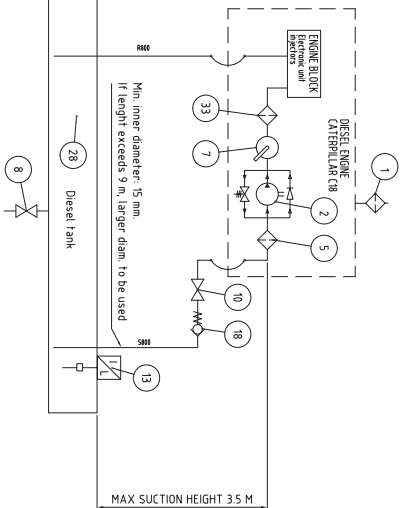
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	7.4	Control and Tank			
		Drawing, Hydraulic Schematic Control and Tank line		3	T7691-H0004 GUA.05.0403.000.361
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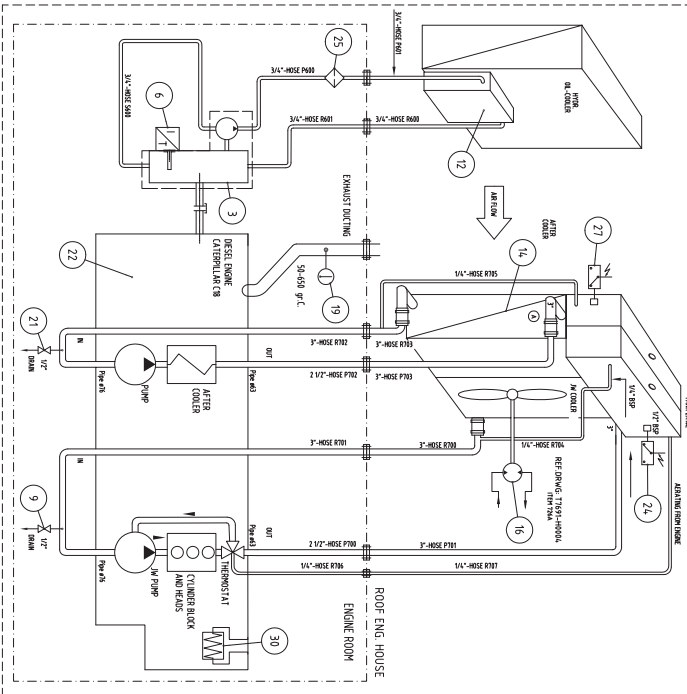
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	7.5	Diesel Engine Drawing, Schematic drawing Diesel engine sub system		1	T7691-H0006 GUA 14 2020 000 361
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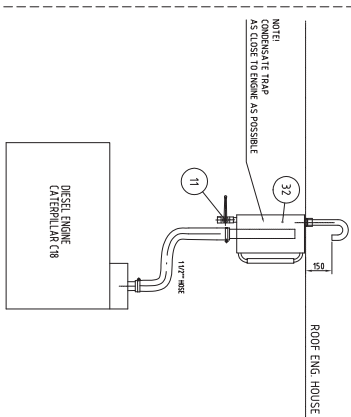
FUEL OIL SYSTEM



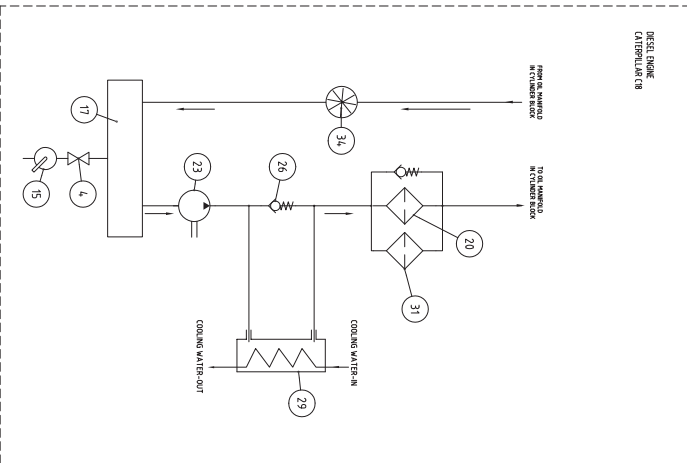
COOLING SYSTEM



CRANKCASE VENTILATION



LUBE OIL SYSTEM



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1	Initial				
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	7.6	Hydraulic Component Index			
		Index, Hydraulic Component Index		1	T7691-L-LA-009
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Hydraulic Component Index

RIG/PLANT Maersk Guardian		
ADDITIONAL CODE	SDRL CODE	TOTAL PGS 19
REMARKS		
MAIN TAG NUMBER		DISCIPLINE
CLIENT PO NUMBER		
CLIENT DOCUMENT NUMBER		

REFERENCE T7691	REFERENCE DESCRIPTION Maersk Guardian, Pedestal Crane OC 2500 LD	
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1	30.06.2011	As Built	GUKV	THLI	SHG
0	02.11.2010	Issued for Construction	GUKV	THLI	SHG
Rev	Date (dd.mm.yyyy)	Reason for issue	Prepared	Checked	Approved

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Revision Change description

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0

Hydraulic Component List

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Hydr. P & ID: HOIST SYSTEM

Doc:

Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
300	Pump, Main Hoisting	Bosch Rexroth	A4VSG 180HD1DT/30L-PZB10K680N	T7691-H0001	361-M2-M2-GP0007	168139
301	Valve Proportional, Main Pump Hoisting	Bosch Rexroth	DBEP 6 C06-1X/45AG24NK4M-382	T7691-H0001	361-M2-K1-QM0009/QM0010	92319
302	Vane Pump	Bosch Rexroth	PVQ2-1X/045LJ15RMB	T7691-H0001	361-M2-M2-GP0002	168140
303	Measuring connection	Dunlop Hiflex	ST-14-M, 275414	T7691-H0001		30573
304	Measuring connection	Dunlop Hiflex	ST-14-M, 275414	T7691-H0001		30573
305	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
306	Filter House, Boost Pump Hoisting	Hydac	LF BN/HC 330 I F 5 B 1.X/-B6	T7691-H0001	361-M2-M2-US0002	154753
306A	Filter Element	Hydac	0330 D 005 BN4HC	T7691-H0001		199171
306B	Filter Indicator	Hydac	VM 5 B.1	T7691-H0001		126547
307	Check Valve	Tognella	3/4"R AISI 316, 93862-12	T7691-H0001		140101
308	Shuttle valve	Comatrol	VS10, 3/8" BSP	T7691-H0001		151539
309	Needle Valve	Valnor AS	UN3PS	T7691-H0001		151734
310	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
311	Throttle/Check Valve	Parker Hannifin AS	9F400S R1/4" (SINGLE ACTION)	T7691-H0001		21501
312	Throttle/Check Valve	Parker Hannifin AS	9F400S R1/4" (SINGLE ACTION)	T7691-H0001		21501
313	Ball Valve	GS-Hydro	BKH-1/2"R-316	T7691-H0001		62419
314	Check Valve	Tognella	1/4"R, AISI 316, 93862-04	T7691-H0001		128326
315	Measuring connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
316	Switch Pressure, Hoist Boost Pressure	Hydac AS	EDS-345-1-040-000	T7691-H0001	361-M2-K1-GN0002	128172
317	Transmitter Pressure, Hoist Line	Hydac AS	EDS-344-3-400-000	T7691-H0001	361-M2-K1-GN0003	54389
318	Switch Pressure, M.O.P. Activated	Bosch Rexroth	HED 8 OA2X/50K14	T7691-H0001	361-M2-K1-FN0003	156027
319	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0001		97924
320	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0001		97924
321	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0001		97924

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Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
322	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
323	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
324	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
325	Valve Check	Tognella	93832-04-1/4"	T7691-H0001		131316
326	Valve Check	Tognella	93832-04-1/4"	T7691-H0001		131316
327A	Man.Op. Directional Valve	Wandfluh	AH 32061A-S1779 art.nr.546.3123 (uten raster)	T7691-H0001	361-M2-M2-QM0001	126126
327B	Subplate	Sicol	PS-6/A/B	T7691-H0001		131354
328A	Man.Op. Directional Valve	Wandfluh	AH 32061A-S1779/S2017 art.nr.546.3125 (med raster)	T7691-H0001	361-M2-M2-FN0001	90394
328B	Subplate	Sicol	PS-6/A/B	T7691-H0001		131354
329	Accumulator Piston	Oiltech	EHP-C-001-350-100-ADABAP00	T7691-H0001	361-M2-M2-CA0004	148962
329A	Burst Disc, 275 Bar	Oiltech	BD W 275 1/4"BSP Art.no.:A25090275	T7691-H0001		95708
329B	Accumulator Safety Manifold	Oiltech	A25233N (Art.nr.)	T7691-H0001		150777
330	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
331	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0001		97924
332	Indicator Pressure, N2 Boost Pressure	Teck-Skotselv AS	IM-316-304-G-11-100-R1/2" 0-250 BAR+PSI	T7691-H0001	361-M2-M2-PG0003	163975
333	Measuring connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0001		134260
334	Shuttle valve	Comatrol	VS10, 3/8" BSP	T7691-H0001		151539
350	Valve Block 350	Denison Lokomec	210396	T7691-H0001		143393
350.01	Valve cover	Parker	C032BN99N	T7691-H0001		145561
350.02	Valve cover	Parker	C032BN99N	T7691-H0001		145561
350.03	Cartridge valve	Parker	CE032C04S00N	T7691-H0001		145562
350.04	Cartridge valve	Parker	CE032C04S00N	T7691-H0001		145562
350.05	Piloted Check Valve	Sun	CVEV- XCN	T7691-H0001		92995
350.06	Piloted Check Valve	Sun	CVEV- XCN	T7691-H0001		92995

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350.07	Shuttle Valve	Sun	CSAD-XXN	T7691-H0001		34654
350.08	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0001		145554
350.09	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0001		145554
350.10	Hydr.op.directional valve	Denison	4D013Q510101B1/5BAR/X-EXT	T7691-H0001		145560
350.12	Pressure relief valve	Sun	RPGC JCN	T7691-H0001		46357
350.13	Pressure relief valve	Sun	RPGC JCN	T7691-H0001		46357
350.14	Pressure relief valve	Sun	RPGC JCN	T7691-H0001		46357
350.16	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0001		145554
350.17	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0001		145554
350.18	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0001		145554
362	Throttle/Check Valve	Parker Hannifin AS	9F400S R1/4" (SINGLE ACTION)	T7691-H0001		21501
365	Motor Hydraulic, Hoist	Bosch Rexroth	A6VM200EP2E/63W-VAB010XB-S	T7691-H0001	361-M2-M2-MM0002	126813
381	Valve Proportional, Motor Hoist	Magnetschultz	GRCE 037 AMX E01-002	T7691-H0001	361-M2-K1-QM0011	140183
450	Valve Block 450	Parker	DWG: HM20033100	T7691-H0001		180145
450.01	Check Valve	Hawe	RB3	T7691-H0001		89223124052
450.02	Flow Control Valve	Sun	FDEA-HBN	T7691-H0001		197768
450.03	Hyd. Op. Directional Valve	Hydman	HM300456	T7691-H0001		197773
450.04	Orifice	Hydman	M8-1.2MM	T7691-H0001		197779
450.05	Hyd. Op. Poppet Valve	Hawe	H3-3	T7691-H0001		180133
450.06	Pressure Reducing Valve	Hydman	PBFB-LAN + CAPNUT 400158	T7691-H0001		197769
450.07	Check Valve	Hawe	HW94100555	T7691-H0001		97024
450.08	Shuttle Valve	Sauer Danfoss	SV 04/00	T7691-H0001		94067
450.09	Hyd. Op. Poppet Valve	Hawe	H3-2	T7691-H0001		197770
450.10	Shuttle Valve	Sauer Danfoss	SV 04/00	T7691-H0001		94067

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Hydr. P & ID: HOIST SYSTEM

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Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
450.11	Sol. Op. Poppet Valve	Sun	DWDA-XAN-22N	T7691-H0001	361-M2-K1-FN0001	197771
450.12	Check Valve	Hawe	HW94100555	T7691-H0001		97024
450.13	Shuttle Valve	Sauer Danfoss	SV 04/00	T7691-H0001		94067
450.14	Sol. Op. Directional Valve	Argo Hytos	RPE3-062R1102400E1S1	T7691-H0001	361-M2-K1-FN0002	197772
450.15	Measuring Connection	Stauff	SMK 20-G1/4"-PC SKP	T7691-H0001		131377
450.16	Measuring Connection	Stauff	SMK 20-G1/4"-PC SKP	T7691-H0001		131377
450.17	Measuring Connection	Stauff	SMK 20-G1/4"-PC SKP	T7691-H0001		131377
450.18	Measuring Connection	Stauff	SMK 20-G1/4"-PC SKP	T7691-H0001		131377
450.19	Orifice	Hydman	M8-1.2MM	T7691-H0001		197779
450.20	Hyd. Op. Directional Valve	Hydman	HM300456	T7691-H0001		197773
450.21	Pressure Control Valve , Cartridge	Hydman	CAD32 A40 AN 00	T7691-H0001		197780
450.22	Pressure Relief Valve	Hydac	DB4E-01X-350V	T7691-H0001		197774
450.23	Pressure Relief Valve	Hydac	DB4E-01X-100V	T7691-H0001		197775
450.24	Hyd. Op. Directional Valve	Hydman	RPHX1-062R11	T7691-H0001		197777
450.25	Pressure Relief Valve	Hydac	DB4E-01X-200V	T7691-H0001		197776
450.26	Sol. Op. Directional Valve	Argo Hytos	RPE3-063Y1102400E1	T7691-H0001	361-M2-K1-QM0012/QM0023	197778
450.27	Pressure Relief Valve	Hydac	DB4E-01X-350V	T7691-H0001		197774
450.28	Pressure Relief valve	Hydac	DB4E-01X-350V	T7691-H0001		197774
450.29	Sol. Op. Directional Valve	Argo Hytos	RPE3-063Y1102400E1	T7691-H0001	361-M2-K1-QM0021/QM0022	197778
450.30	Pressure Relief Valve	Hydac	DB4E-01X-350V	T7691-H0001		197774
500	Valve Block 500	Parker	21111200	T7691-H0001		189055
500.01	Valve Dir.sol.op. Brake Primary Hoist	Denison	4D01-3151-0101-B1G0Q	T7691-H0001	361-M2-K1-QM0013	46353
500.02	Valve Dir.sol.op., Motor Change over Hoist	Denison	4D01-3151-0101-B1G0Q	T7691-H0001	361-M2-K1-MA0002	46353
500.06	Hydr.op.directional valve	Parker	D1VP020BN90XG057/3-12BAR/X-EXT/Y-INT	T7691-H0001		189341

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Hydr. P & ID: HOIST SYSTEM

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Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
500.08	Shuttle valve	Bucher Hydraulics	WRVCG-08 G 3/8	T7691-H0001		142283
500.09	Shuttle valve	Bucher Hydraulics	WRVCG-08 G 3/8	T7691-H0001		142283
500.10	Shuttle valve	Bucher Hydraulics	WRVCG-08 G 3/8	T7691-H0001		142283
500.13	Needle valve	Parker Hannifin	NFCC-LCN with hand knob	T7691-H0001		164103
500.16	Measuring Connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0001		145554
500.17	Measuring Connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0001		145554

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Hydr. P & ID: Luffing System

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Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
200	Pump, Luffing	Bosch Rexroth	A4VSG 180HD1DT/30L-PZB10K680N	T7691-H0002	361-M2-M2-GP0008	168139
201	Valve Proportional, Main Pump Luffing	Bosch Rexroth	DBEP 6 C06-1X/45AG24NK4M-382	T7691-H0002	361-M2-K1-QM0004/QM0005	92319
202	Vane Pump	Bosch Rexroth	PVQ2-1X/045LJ15RMB	T7691-H0002	361-M2-M2-GP0003	168140
203	Measuring connection	Dunlop Hiflex	ST-14-M, 275414	T7691-H0002		30573
204	Measuring connection	Dunlop Hiflex	ST-14-M, 275414	T7691-H0002		30573
205	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0002		134260
206	Filter House, Boost Pump Luffing	Hydac	LF BN/HC 330 I F 5 B 1.X/-B6	T7691-H0002	361-M2-M2-US0003	154753
206A	Filter Element	Hydac	0330 D 005 BN4HC	T7691-H0002		199171
206B	Filter Indicator	Hydac	VM 5 B.1	T7691-H0002		126547
207	Check Valve	Tognella	3/4"R AISI 316, 93862-12	T7691-H0002		140101
208	Measuring connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0002		134260
209	Needle Valve	Valnor AS	UN3PS	T7691-H0002		151734
210	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0002		134260
211	Measuring connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0002		134260
212	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0002		134260
213	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0002		134260
214	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0002		97924
215	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0002		97924
216	Switch Pressure, Luffing Boost Pressure	Hydac AS	EDS-345-1-040-000	T7691-H0002	361-M2-K1-WQ0002	128172
217	Transmitter Pressure, Luffing Line	Hydac AS	EDS-344-3-400-000	T7691-H0002	361-M2-K1-WQ0004	54389
218	Throttle/Check Valve	Parker Hannifin AS	9F400S R1/4" (SINGLE ACTION)	T7691-H0002		21501
250	Valve Block 250	Denison Lokomec	210396	T7691-H0002		143393
250.01	Valve cover	Parker	C032BN99N	T7691-H0002		145561
250.02	Valve cover	Parker	C032BN99N	T7691-H0002		145561

Hydraulic Component List

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Hydr. P & ID: Luffing System			Doc:				
Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No	
250.03	Cartridge valve	Parker	CE032C04S00N	T7691-H0002		145562	
250.04	Cartridge valve	Parker	CE032C04S00N	T7691-H0002		145562	
250.05	Piloted Check Valve	Sun	CVEV- XCN	T7691-H0002		92995	
250.06	Piloted Check Valve	Sun	CVEV- XCN	T7691-H0002		92995	
250.07	Shuttle Valve	Sun	CSAD-XXN	T7691-H0002		34654	
250.08	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0002		145554	
250.09	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0002		145554	
250.10	Hydr.op.directional valve	Denison	4D013Q510101B1/5BAR/X-EXT	T7691-H0002		145560	
250.12	Pressure relief valve	Sun	RPGC JCN	T7691-H0002		46357	
250.13	Pressure relief valve	Sun	RPGC JCN	T7691-H0002		46357	
250.14	Pressure relief valve	Sun	RPGC JCN	T7691-H0002		46357	
250.16	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0002		145554	
250.17	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0002		145554	
250.18	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0002		145554	
265	Motor Hydraulic, Luffing	Bosch Rexroth	A6VM200EP2E/63W-VAB010XB-S	T7691-H0002	361-M2-M2-MM0003	126813	
281	Valve Proportional, Motor Luffing	Magnetschultz	GRCE 037 AMX E01-002	T7691-H0002	361-M2-K1-QM0006	140183	
500	Valve Block 500	Parker	21111200	T7691-H0002		189055	
500.03	Valve Dir.sol.op., Motor Change over Luffing	Denison	4D01-3151-0101-B1G0Q	T7691-H0002	361-M2-K1-MA0001	46353	
500.04	Valve Dir.sol.op. Brake Primary Luffing	Denison	4D01-3151-0101-B1G0Q	T7691-H0002	361-M2-K1-QM0007	46353	
500.07	Valve Directional Hydr.op.	Parker	D1VP020BN90XG057/3-12BAR/X-EXT/Y-INT	T7691-H0002		189341	
500.11	Valve Shuttle	Bucher Hydraulics	WRVCG-08 G 3/8	T7691-H0002		142283	
500.14	Valve Needle	Parker Hannifin	NFCC-LCN with hand knob	T7691-H0002		164103	
500.18	Measuring Connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0002		145554	
500.19	Measuring Connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0002		145554	

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Hydr. P & ID: Slewing system

Doc:

Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
100	Pump, Slewing	Bosch Rexroth	A4VSG 250HD1DT/30L-PZB10U990N	T7691-H0003	361-M2-M2-GP0009	163899
101	Valve Proportional, Main Pump Slewing	Bosch Rexroth	DBEP 6 C06-1X/45AG24NK4M-382	T7691-H0003	361-M2-K1-QM0001/QM0002	92319
102	Vane Pump	Bosch Rexroth	PVQ2-1X/068LJ15RMB	T7691-H0003	361-M2-M2-GP0004	150768
103	Measuring connection	Dunlop Hiflex	ST-14-M, 275414	T7691-H0003		30573
104	Measuring connection	Dunlop Hiflex	ST-14-M, 275414	T7691-H0003		30573
105	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0003		134260
106	Filter House, Boost Pump Slewing	Hydac	LF BN/HC 330 I F 5 B 1.X/-B6	T7691-H0003	361-M2-M2-US0004	154753
106A	Filter Element	Hydac	0330 D 005 BN4HC	T7691-H0003		199171
106B	Filter Indicator	Hydac	VM 5 B.1	T7691-H0003		126547
107	Needle Valve	Valnor AS	UN3PS	T7691-H0003		151734
108	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0003		134260
109	Needle Valve	Valnor AS	UN3PS	T7691-H0003		151734
110	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0003		134260
111	Measuring connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0003		134260
112	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0003		134260
113	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0003		134260
114	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0003		97924
115	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0003		97924
116	Switch Pressure, Slewing Boost Pressure	Hydac AS	EDS-345-1-040-000	T7691-H0003	361-M2-K1-WQ0001	128172
117	Transmitter Pressure, Slewing Line	Hydac AS	EDS-344-3-400-000	T7691-H0003	361-M2-K1-WQ0003	54389
118	Measuring connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0003		134260
150	Valve Block 350	Parker Lokomec	DRWG.: 210399	T7691-H0003		143394
150.01	Valve cover	Parker	C032BN99N	T7691-H0003		145561
150.02	Valve cover	Parker	C032BN99N	T7691-H0003		145561

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Hydr. P & ID: Slewing system

Doc:

Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
150.03	Cartridge valve	Parker	CE032C04S00N	T7691-H0003		145562
150.04	Cartridge valve	Parker	CE032C04S00N	T7691-H0003		145562
150.05	Piloted Check Valve	Sun	CVEV- XCN	T7691-H0003		92995
150.06	Piloted Check Valve	Sun	CVEV- XCN	T7691-H0003		92995
150.07	Shuttle Valve	Sun	CSAD-XXN	T7691-H0003		34654
150.08	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0003		145554
150.09	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0003		145554
150.10	Hydr.op.directional valve	Denison	4D013Q510101B1/5BAR/X-EXT	T7691-H0003		145560
150.12	Pressure relief valve	Sun	RPGC JCN	T7691-H0003		46357
150.13	Pressure relief valve	Sun	RPGC JCN	T7691-H0003		46357
150.14	Pressure relief valve	Sun	RPGC JCN	T7691-H0003		46357
150.16	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0003		145554
150.17	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0003		145554
150.18	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0003		145554
160	Motor Hydraulic, Slewing A	Bosch Rexroth	A2FM90-61W-VAB191J	T7691-H0003	361-M2-M2-MM0004	126810
161	Valve Pressure Relief, Overload Protection	Bosch Rexroth	MH DBN22 K2-2X/420VFC	T7691-H0003		131339
162	Valve Pressure Relief, Overload Protection	Bosch Rexroth	MH DBN22 K2-2X/420VFC	T7691-H0003		131339
163	Valve Check	Flutec	RVE R1/4"-X-0,5	T7691-H0003		131305
164	Valve Check	Flutec	RVE R1/4"-X-0,5	T7691-H0003		131305
170	Motor Hydraulic, Slewing B	Bosch Rexroth	A2FM90-61W-VAB191J	T7691-H0003	361-M2-M2-MM0005	126810
171	Valve Pressure Relief, Overload Protection	Bosch Rexroth	MH DBN22 K2-2X/420VFC	T7691-H0003		131339
172	Valve Pressure Relief, Overload Protection	Bosch Rexroth	MH DBN22 K2-2X/420VFC	T7691-H0003		131339
173	Valve Check	Flutec	RVE R1/4"-X-0,5	T7691-H0003		131305
174	Valve Check	Flutec	RVE R1/4"-X-0,5	T7691-H0003		131305

Hydraulic Component List

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Hydr. P & ID: Slewing system

Doc:

Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
500	Valve Block 500	Parker	21111200	T7691-H0003		189055
500.05	Valve Dir.sol.op., Brake Slewing	Denison	4D01-3151-0101-B1G0Q	T7691-H0003	361-M2-K1-QM0003	46353
500.12	Valve Shuttle	Bucher Hydraulics	WRVCG-08 G 3/8	T7691-H0003		142283
500.15	Valve Needle	Parker Hannifin	NFCC-LCN with hand knob	T7691-H0003		164103
500.20	Measuring Connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0003		145554

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Hydr. P & ID: Control and Tank Line				Doc:			Type	Drawing No.	Tag No.	Art. No
Pos No	Service/Description	Manufacturer	Doc:	Manufacturer	Type					
420	Valve Block 420	Parker		Parker	21111400			T7691-H0004		189053
420.01	3/2 Directional valve, Secondary hoist brake	Denison		Denison	W1DCA - 1/24 VDC			T7691-H0004	361-M2-K1-QM0014	34630
420.02	3/2 Directional valve, Secondary luffing brake	Denison		Denison	W1DCA - 1/24 VDC			T7691-H0004	361-M2-K1-QM0008	34630
420.03	4/2 Directional valve	Parker		Parker	D1VP020BN90XG057/3-12BAR/X-EXT/Y-INT			T7691-H0004		189341
420.04	4/2 Directional valve	Parker		Parker	D1VP020BN90XG057/3-12BAR/X-EXT/Y-INT			T7691-H0004		189341
420.05	3/2 Directional valve	Hawe		Hawe	H3-2B			T7691-H0004		132667
420.06	3/2 Directional valve	Hawe		Hawe	H3-2B			T7691-H0004		132667
420.07	Pressure red. valve, Secondary hoist brake	Sun		Sun	PBDB LAN + CAP 442574			T7691-H0004		96569
420.08	Pressure red. valve, Secondary luffing brake	Sun		Sun	PBDB LAN + CAP 442574			T7691-H0004		96569
420.09	Pressure relief valve, Brake release accum	Sun		Sun	RPEE JCN			T7691-H0004		34686
420.10	Pressure red. valve, Hoist brake rel. accum.	Sun		Sun	PBDB LAN + CAP 442574			T7691-H0004		96569
420.11	Shuttle valve	Bucher Hydraulics		Bucher Hydraulics	WRVCG-08 G 3/8			T7691-H0004		142283
420.12	Shuttle valve	Bucher Hydraulics		Bucher Hydraulics	WRVCG-08 G 3/8			T7691-H0004		142283
420.13	Needle valve	Sun		Sun	NFCC KCN			T7691-H0004		34660
420.14	Needle valve	Sun		Sun	NFCC KCN			T7691-H0004		34660
420.15	Needle valve	Sun		Sun	NFCC KCN			T7691-H0004		34660
420.16	Check valve	EDI System		EDI System	OD.44.02.00-03-01 VU-LN 1/2"			T7691-H0004		99308
420.17	Check valve	EDI System		EDI System	OD.44.02.00-03-01 VU-LN 1/2"			T7691-H0004		99308
420.18	Check valve	Hawe		Hawe	RB1			T7691-H0004		69875
420.19	Check valve	Hawe		Hawe	RB1			T7691-H0004		69875
420.20	Measuring connection	Stauff		Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI			T7691-H0004		145554
420.21	Measuring connection	Stauff		Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI			T7691-H0004		145554
420.22	Measuring connection	Stauff		Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI			T7691-H0004		145554
600	Valve Block 600	Parker		Parker	11085000			T7691-H0004		189056

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Hydr. P & ID: Control and Tank Line			Doc:					
Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No		
600.01	Control Valve, sol. operated	Parker	D1VW004CNJEE	T7691-H0004	361-M2-K1-QM0019/QM0020	185423		
600.02	Load control valve	Parker Hannifin	CWCG LGN + CAP 442574	T7691-H0004		164099		
600.03	Load control valve	Parker Hannifin	CWCG LGN + CAP 442574	T7691-H0004		164099		
600.05	Shuttle valve	Parker	K02A3N, VVPA0602	T7691-H0004		189440		
600.06	Control Valve, sol. operated	Parker	D1VW004CNJEE	T7691-H0004	361-M2-K1-QM0017/QM0018	185423		
600.07	Load control valve	Parker Hannifin	CWCG LGN + CAP 442574	T7691-H0004		164099		
600.10	Shuttle valve	Parker	K02A3N, VVPA0602	T7691-H0004		189440		
600.11	Control Valve, sol. operated	Parker	D1VW004CNJEE	T7691-H0004	361-M2-K1-QM0015/QM0016	185423		
600.12	Load control valve	Parker Hannifin	CWCG LGN + CAP 442574	T7691-H0004		164099		
600.15	Shuttle valve	Parker	K02A3N, VVPA0602	T7691-H0004		189440		
600.16	Pressure relief valve	Parker	RAH081S50	T7691-H0004		189446		
600.18	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0004		145554		
620	Filter House, Emergency Drive	Hydac AS	DF-BNHC-110-G-5-B1.X/B6	T7691-H0004	361-M2-M2-US0006	145272		
620A	Filter Element	Hydac	0110 D 005 BN4HC	T7691-H0004		199172		
620B	Filter Indicator	Hydac	VD 5 BM.1	T7691-H0004		126545		
630	Pump Emergency Drive	Parker	PV023R1K1 T1NMMC	T7691-H0004	361-M2-M2-GP0006	178478		
631	Bell Housing	RAJA	RV450/234/140	T7691-H0004		156874		
632	Coupling	RAJA	A48/60.60H7-25H7 GG	T7691-H0004		156875		
633	Measuring connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0004		134260		
701	Indicator Level		SK 33 L, BRASS	T7691-H0004		126474		
702	Indicator Temp, Hydraulic Tank	Rototherm	BH2-46/A/6/220/0-120 °C/X/X/X	T7691-H0004	361-M2-M2-BT0001	163954		
702A	Pocket for thermometer	Teck	316SS R1/2" L=145mm	T7691-H0004		132174		
702B	Fitting	Teck instruments AS	R 1/2" X 6MM (FOR TEMP.IND.THH100A)	T7691-H0004		132173		
703	Transmitter Temp, Hydraulic Tank	Teck Instrument	MITRA MH-L+PR5333B +PROTEC.POCKET	T7691-H0004	361-M2-K1-KF0002	82096		

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Hydr. P & ID: Control and Tank Line			Doc:			
Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
704	Switch Level, Hydraulic Tank	IFM Electronic	KI5087, KIA3150NFPKG/2T	T7691-H0004	361-M2-A1-SF0005	178227
706	Butterfly Valve	ASA Hydraulic	AF-100, Best no. SDA00100E (4")	T7691-H0004	361-M2-M2-QM0003	126072
707	Butterfly Valve	ASA Hydraulic	AF-100, Best no. SDA00100E (4")	T7691-H0004	361-M2-M2-QM0002	126072
708	Ball Valve	GS-Hydro	132051 FULL BORE W/ SAE 3000 FLANGE	T7691-H0004	361-M2-M2-QM0004	62158
709	Valve Ball, Tank Drain	GS-Hydro	51- 1.1/2" BSP	T7691-H0004		11097
710	Check Valve	Tognella	93832-12 (3/4")	T7691-H0004		133957
711	Filter Air/breather, Hydraulic Tank	Bosch Rexroth	BFP 7 G3K1.0-1"BSP	T7691-H0004	361-M2-M2-RF0001	27416
712	Ball Valve	ITAP	93742-08 (1/2")	T7691-H0004		11102
713	Ball Valve	ITAP	93742-16 (1")	T7691-H0004		11100
714	Filter House, Leak Oil	Hydac	LF BN/HC 660 I F 5 B 1.X/-A08-B1	T7691-H0004	361-M2-M2-US0008	157844
714A	Filter Element	Hydac	0660 D 005 BN3HC	T7691-H0004		126541
714B	Filter Indicator	Hydac	VM0.8 BM.X	T7691-H0004		170030
715	Filter House, Leak Oil	Hydac AS	LF BN/HC 660 IF 5 BM 1.X/-B3	T7691-H0004	361-M2-M2-US0007	197762
715A	Filter Element	Hydac	0660 D 005 BN3HC	T7691-H0004		126541
715B	Filter Indicator	Hydac	VM2 BM.1,	T7691-H0004		133984
716	Ball Valve	GS-Hydro	51- 1.1/2" BSP	T7691-H0004		11097
717	Ball Valve	ITAP	93742-32 (2")	T7691-H0004		11096
718	Ball Valve	GS-Hydro	51- 1.1/2" BSP	T7691-H0004		11097
719	Ball Valve	ITAP	93742-32 (2")	T7691-H0004		11096
720	Cooler Hydr. Oil A	Oiltech	LHCM-113-D-00-000-0-Z, 16,8 CMM MOTOR	T7691-H0004	361-M2-M2-EC0001	157797
720A	Motor Hydraulic, Cooler Hydr. Oil A	Sauer-Danfoss	SNM2G./17 D CI01 MML 1.	T7691-H0004		170154
721	Cooler Hydr. Oil B	Oiltech	LHCM-113-D-00-000-0-Z, 16,8 CMM MOTOR	T7691-H0004	361-M2-M2-EC0002	157797
721A	Motor Hydraulic, Cooler Hydr. Oil B	Sauer-Danfoss	SNM2G./17 D CI01 MML 1.	T7691-H0004		170154
722	Check Valve	Faster	VU114F114F 5Bar 11/4"	T7691-H0004		131285

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Hydr. P & ID: Control and Tank Line				Doc:		
Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
723	Ball valve	ITAP	93742-16 (1")	T7691-H0004		11100
724	Quick connection	Snap Tite	BVHC16-16RP BSP 1", Art.no.: 47204-16	T7691-H0004		131376
725	Dust cap	Snap Tite	PDP-16-1", Art.no.:40038-16	T7691-H0004		91980
726	Cooler Jacket Water	Radiatorservice AS	COMPLETE WITH HYDR.MOTOR, ATEX FAN	T7691-H0004	361-M2-M2-EC0003	172657
726A	Hydraulic motor, fan, heat exchanger	Casappa	KM30.27 R0-83E3-LEB/ED-N	T7691-H0004		157766
727	Ball Valve	GS-Hydro	51- 1.1/2" BSP	T7691-H0004	361-M2-M2-QM0005	11097
728	Ball Valve	GS-Hydro	132051 FULL BORE W/ SAE 3000 FLANGE	T7691-H0004	361-M2-M2-QM0006	62158
750	Auxiliary Pump	Parker	PV076L1L1T1NMMC	T7691-H0004	361-M2-M2-GP0001	166516
751	Brake Pump	Parker	PV180L1L1K1NFRP	T7691-H0004	361-M2-M2-GP0005	190611
752	Offline Filter Unit	C.C. Jensen	CJC HDU 15/25 PV-Z, 1 X 230V, 60Hz	T7691-H0004	361-M2-M2-RF0002	150781
752A	Filter Element	CC Jensen	BG 15/25, Art.no.: 5601340	T7691-H0004		126607
752B	Pump Offline Filter Unit	Lamborghini	MLPD/160C	T7691-H0004		131378
752C	El. Motor Offline Filter Unit	C.C. Jensen	CJC HDU 15/25 PV-Z, 1 X 230V, 60Hz	T7691-H0004		150781
753	Filter House, Auxiliary Line	Hydac AS	DF-BHHC-330-G-5-B1.X, WO BYPASS	T7691-H0004	361-M2-M2-US0001	145271
753A	Filter Element	Hydac	0330 D 005 BH3HC	T7691-H0004		148973
753B	Filter Indicator	Hydac	VD 5 B.1	T7691-H0004		128673
754	Filter House, Brake/Cooling Line	Hydac	DFBN/HC 330 G 5 BM 1.X/B6, W/BYPASS	T7691-H0004	361-M2-M2-US0005	140141
754A	Filter Element	Hydac	0330 D 005 BN4HC	T7691-H0004		199171
754B	Filter Indicator	Hydac	VD 5 B.1	T7691-H0004		128673
755	Pressure Indicator, Control Line	Teck-Skotselv AS	IM-316-304-G-11-100-R1/2" 0-250 BAR+PSI	T7691-H0004	361-M2-M2-PG0001	163975
756	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0004		97924
757	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0004		134260
758	Pressure Indicator, N2 Em.Acc.	Teck-Skotselv AS	IM-316-304-G-11-100-R1/2" 0-250 BAR+PSI	T7691-H0004	361-M2-M2-PG0005	163975
759	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0004		97924

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Hydr. P & ID: Control and Tank Line			Doc:			
Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
760	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0004		134260
761	Flow control valve	SUN	FDCB KAN	T7691-H0004		163938
762	Manifold	SUN	DCV/S	T7691-H0004		160308
763	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0004		134260
764	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0004		134260
765	Pressure Indicator, N2 Buffer Acc.	Teck-Skotselv AS	IM-316-304-G-11-100-R1/2" 0-250 BAR+PSI	T7691-H0004	361-M2-M2-PG0002	163975
766	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0004		97924
767	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0004		134260
768	Pressure Indicator, N2 Sec.Brake Acc.	Teck-Skotselv AS	IM-316-304-G-11-100-R1/2" 0-250 BAR+PSI	T7691-H0004	361-M2-M2-PG0004	163975
769	2 Valve Manifold	Vimec	VMC-241 1/4" BSPP AISI 316 WP 420 BAR	T7691-H0004		97924
770	Accumulator Piston	Oiltech	EHP-C-050-250-200-KAKCAAP00	T7691-H0004	361-M2-M2-CA0003	128045
770A	Burst Disc, 275 bar	Oiltech	BD W 275 1/4"BSP Art.no.:A25090275	T7691-H0004		95708
771	Measuring Connection	GS-Hydro	PA-09-R1/4", AISI316	T7691-H0004		134260
780	Accumulator Bladder	Oiltech	EHV 10-330/90-C, ART NO.: A121100	T7691-H0004	361-M2-M2-CA0001	96558
780A	Burst Disc, 385 bar	Oiltech	A25090385, BD-W-385-1/4-BSP	T7691-H0004		61430
790	Accumulator Bladder	Olaer Industries Sa	EHV 20-330/90-C, ART.NO.:A121200	T7691-H0004	361-M2-M2-CA0002	134112
790A	Burst Disc, 385 bar	Oiltech	A25090385, BD-W-385-1/4-BSP	T7691-H0004		61430
800	Valve Block 800	Parker	21111700	T7691-H0004		189057
800.01	2-way Cartridge valve	Parker Hannifin AS	CED32 A60 AN 00	T7691-H0004		95040
800.02	Pressure relief valve, Prop. Sol.	Parker	AP01B2YP35CN, PRPA0410	T7691-H0004	361-M2-K1-QN0002	189444
800.03	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0004		145554
800.04	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0004		145554
800.05	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0004		145554
800.20	Cartridge valve cover	Parker	CRD32 S311295 PROPORTIONAL	T7691-H0004		189445

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Hydr. P & ID: Control and Tank Line Doc:

Pos No	Service/Description	Manufacturer	Type	Drawing No.	Tag No.	Art. No
830	Valve Block 830	Parker	31126100	T7691-H0004		189058
830.01	Shut off valve	Parker	MVI-600-S	T7691-H0004		131364
830.02	Shut off valve	Parker	MVI-600-S	T7691-H0004		131364
830.03	Pressure relief valve	Sun	RPEE JCN	T7691-H0004		34686
830.04	Pressure reducing valve	Sun	PBDB LAN + CAP 442574	T7691-H0004		96569
830.05	Check valve	EDI system	OD.44.02.00-04-01 VU-LN 3/4"	T7691-H0004		46366
830.06	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI	T7691-H0004		145554
840	Cylinder, Boom Backstop	HYDRA tech AS	CM250 CH 110/80 X 950	T7691-H0004	361-M2-U1-MM0001	PT7691O
850	Valve Block 850	Parker	21111300	T7691-H0004		189059
850.01	Check valve	Denison Lokomec	CEL30 R05 AN XX	T7691-H0004		99412
850.02	Pressure relief valve	Sun	RPGC JCN	T7691-H0004		46357
850.03	Shut off valve	Parker Hannifin	MVI-1200-S	T7691-H0004		164102
850.04	Cartridge NG30	Denison Lokomec	CEL30 K50 AN 0*	T7691-H0004		145564
850.05	Cartridge Cover NG30	Denison Lokomec	CRL30 K4S AN X10C08	T7691-H0004		145566
850.06	Pressure relief valve	Sun	RPGC JCN	T7691-H0004		46357
850.07	Shut off valve	Parker	MVI-600-S	T7691-H0004		131364
850.08	Check valve	Denison Lokomec	CEL10 R05 AN+R1/2"VSTI PLUG	T7691-H0004		145563
850.09	Shut off valve	Parker	MVI-600-S	T7691-H0004		131364
850.10	Pressure relief valve	Sun	RPGC JCN	T7691-H0004		46357
850.105	Shut off valve	Sun	NFCC KCN	T7691-H0004		34660
850.11	Shut off valve	Sun	NFCC KCN	T7691-H0004		34660
850.12	Check valve	Denison Lokomec	CEL10 R05 AN+R1/2"VSTI PLUG	T7691-H0004		145563
850.13	Shut off valve	Parker	MVI-600-S	T7691-H0004		131364
850.14	Shut off valve	Sun	NFCC KCN	T7691-H0004		34660

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Hydr. P & ID: Control and Tank Line				Doc:		Drawing No.	Tag No.	Art. No
Pos No	Service/Description	Manufacturer	Type					
850.15	Shut off valve	Sun	NFCC KCN			T7691-H0004		34660
850.16	Shut off valve	Sun	NFCC KCN			T7691-H0004		34660
850.17	Pressure reducing valve	Sun	PBDB LAN + CAP 442574			T7691-H0004		96569
850.18	Shut off valve	Parker	MVI-600-S			T7691-H0004		131364
850.19	Sol.op.dir. valve cooler fan speed	Denison	4D01-3151-0101-B1G0Q			T7691-H0004	361-M2-K1-EC0001	46353
850.20	Flow control valve	Parker Hannifin	FDBA KAN with hand knob			T7691-H0004		164101
850.21	Sol.op.dir. valve cooler fan speed	Denison	4D01-3151-0101-B1G0Q			T7691-H0004	361-M2-K1-EC0002	46353
850.22	Flow control valve	Parker Hannifin	FDBA KAN with hand knob			T7691-H0004		164101
850.23	Check valve	Hawe	RK1			T7691-H0004		91187
850.24	Check valve	Hawe	RK1			T7691-H0004		91187
850.25	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI			T7691-H0004		145554
850.26	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI			T7691-H0004		145554
850.27	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI			T7691-H0004		145554
850.28	Measuring connection	Stauff	SMK 20-G1/4-VC-V2A<1.4305> AISI			T7691-H0004		145554
900	Splitter Gear	Technodrive	AM480 Ratio 1:1			T7691-H0004	361-M2-U4-TL0001	128742
901	Filter House Splitter gear	Hydac	LF BN/HC 240 IE 20 B1.X/ -A2-B3			T7691-H0004	361-M2-U4-RF0001	156156
902	Filter element	Hydac	0240 D 020 BN3HC			T7691-H0004		156155
903	Filter clogger	Hydac	VM 2 B.x			T7691-H0004		128674
904	Splitter gear cooler	Oiltech	A539004, LD04			T7691-H0004		132322
905	Ball Valve	ITAP	93742-08 (1/2")			T7691-H0004		11102
906	Temp. Transmitter Lube Oil Splitter Gear	Teck Instrument	MITRA MH-L+PR5333B +PROTEC.POCKET			T7691-H0004	361-M2-K1-KF0003	82096