



COMBINED BILL OF MATERIAL

Printed On:10.08.2011
Printed By:

CBOM No: 01165524000 CBOM Var: 00 Revno: 34 Rev Date: 02.06.2010
Description: PIPING FOR HYDRAULIC MOTOR Total weight: 90.2

RECORD OF CHANGES

Drawing No	Var	Revno	Rev Date	Description
01165524000	00	2	26.03.2001	Automatic chg 41337901004/00
01165524000	00	3	04.03.2002	Automatic chg 41337901004/00
01165524000	00	6	05.08.2003	Automatic chg 21165524400/00
01165524000	00	8	11.02.2004	Automatic chg ST24002 /04
				ST24002 /05,
01165524000	00	9	18.03.2004	Automatic chg 21165524100/00
01165524000	00	10	06.04.2004	Automatic chg 21165524100/00
01165524000	00	11	12.04.2005	Automatic chg 21165524100/00
01165524000	00	12	12.04.2005	1. TYPE AGAINST ITEM NO.006 TO BE MF IN PLACE OF BO.
01165524000	00	13	28.05.2005	1. MATERIAL CODE CHANGED FOR ITEM NO.025.
01165524000	00	14	04.06.2005	Automatic chg 21160122240/00
01165524000	00	15	04.06.2005	Automatic chg 31165524500/00
01165524000	00	16	04.06.2005	Automatic chg 21160122600/00
01165524000	00	17	04.06.2005	Automatic chg 21160122600/01
01165524000	00	18	04.06.2005	Automatic chg 21165524400/00
01165524000	00	19	28.06.2005	Automatic chg 21165524400/00
01165524000	00	20	28.06.2005	Automatic chg 21160122600/00
01165524000	00	21	28.06.2005	Automatic chg 21160122600/01
01165524000	00	22	28.06.2005	Automatic chg 31165524500/00
01165524000	00	23	28.06.2005	Automatic chg 21165524100/00
01165524000	00	24	23.12.2005	Automatic chg 21165524100/00
01165524000	00	25	20.04.2006	Automatic chg 31165524300/00
01165524000	00	26	10.10.2007	Automatic chg 21160122600/00
				21160122600/01,
01165524000	00	27	13.02.2008	Automatic chg 31165524300/00
01165524000	00	28	05.12.2008	AUTOMATIC-BULK MATCODE CHG
01165524000	00	29	03.10.2008	1. MATERIAL CODE CHANGED AGAINST ITEM NO. 014 (FROM

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxchs	09.08.1997
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxbch	09.08.1997
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997



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RECORD OF CHANGES			
Drawing No	Var	Revno	Rev Date
Description			

HW7125198040 TO HW7125198058)

01165524000	00	30	08.08.2009	Automatic chg 21165524100/00
01165524000	00	31	11.02.2010	Automatic chg 21165524100/00
01165524000	00	32	11.02.2010	Automatic chg 21165524100/00
01165524000	00	34	02.06.2010	Automatic chg 21160122600/01

CBOM - 01165524000 00

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxcbs	09.08.1997
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxbch	09.08.1997
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997



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Rev Date: 02.06.2010
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CBOM No: 01165524000 CBOM Var: 00 Revno: 34

Description:

Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Weight	Blank Sizes	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description				Assy. Remarks	Inclusion?	Mat Shape		Remarks		
Typ	Cat	Zone	Var/Mat. Description		ENG G SIZE/GRP	Fab Wt	Route			Spare Code	Unit
0	01165524000	00	01165524000 00			90.2					
1(1)	PIPING F0R HYDRAULIC MOTOR				MAIN ASSLY	Y					
MF CD					Y		0236				
1	21165524100	00	21165524100 00			9.2					
1(1)	JOP LINE TO MOP BAERING					Y					
MF DR					N		0315-0236				
1-1	ST48001 121		W97372603013	ST48001		1.2	0.0	0	0.0	0.0	0.0
1(1)	PRESSURE GAUGE					Y	ST48001.121				
BO DR	AR100,0-250KG/CM2						0075-0236		1M1		NO
1-2	41160122006 00 00		W97311601215			0.2	0.0	0	0.0	0.0	0.0
1(1)	UNION DN 8					Y					
BO DR							0074-0315				NO
1-3	ST24002 023		W97371601190	ST24002		0.0040	0.0	0	0.0	0.0	0.0
1(1)	SEALING RING					Y	A15X19				
BO DR	A15X19						0074-0315		1F1		NO
1-4	41160122004 00 00		W97311601193			0.5	0.0	0	0.0	0.0	0.0
1(1)	THROTTLE VALVE					Y					
BO DR							0074-0315				NO
1-5	41160122045 00 00		AA1041046073	AA10446		0.1	240.0	1	1	0.25	0.25
1(1)	PIPE					Y	PI 13.5X2.9		PIPE DIA 13.5X2.9 L=240		
MF DR							0072-0315-0236				MR
1-6			W97372356016	ASTMA234		0.2	0.0	0	0	0.0	0.0
2(2)	EQ.TEE 13.7X2.2					Y	13.7*2.24				
BO DR	TEE EQUAL ANSI B16.9, A234 WPB						0074-0315				NO
1-7	41165524103 00 00		AA1041046073	AA10446		0.6	1100.0	1	1	0.7	0.7
1(1)	PIPE					Y	PI 13.5X2.9			0.0	
MF DR							0072-0315				MR
1-8	41165524101 00 00		AA1041046073	AA10446		0.3	500.0	1	1	0.31	0.31
1(1)	PIPE					Y	PI 13.5X2.9			0.0	
MF DR							0072-0315				MR

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxchs	09.08.1997
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxbch	09.08.1997
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997



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Description: PIPING FOR HYDRAULIC MOTOR

Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Mat Size	Weight	Blank Sizes	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description	Var/Matl.	Description	Mat Code	Mat Spec	Mat Size	Inclusion?	Mat Shape					
Type	Cat	Zone					Fab Wt	Route				Spare Code	Unit
1-9	21280609007	07	00	W97312806082			0.2	0.0	1	2	1.0	0.0	2.0
2(2)	PIPE UNION						Y						
BO	DR												
1-11	ST42201	021		AA1060222140	AA10622		0.12	40.0	1	1	0.252	0.0	0.252
1(1)	UNION NUT						Y	RND 32					
MF	DR												
1-12	ST42203	002		AA1010209108	AA10109		0.1	45.0	1	1	0.111	0.0	0.111
1(1)	NIPPLE						Y	RND 20					
BO	DR												
1-13	ST24003	002		HW1201728959	AA12028		0.01	25.0X1000.0	45	1	0.015	0.0	0.03
2(2)	SEALING WASHER						Y	SH 2.5					
MF	DR												
1-14	41335301011	00	00	HW1060273322	HW10673		0.24	88.0	1	1	0.664	0.0	0.664
1(1)	SPACER						Y	RND 32					
MF	DR												
2	HW7121196069			HW7121196			0.0	0.0	0	0	0.0	0.0	0.0
1(1)	SCRU HEXP -8.8						Y						
BO	DR												
3	31165524300	00					4.13						
1(1)	JACKING OIL LINE TO HYD.MOTOR						Y						
MF	DR												
3-1	41160122007	00	00	W97372601223			1.0	0.0	0	0	0.0	0.0	0.0
1(1)	UNION DN16						Y						
BO	DR												
3-2	41165524301	00	00	AA1041046332	AA10446		0.03	350.0	1	1	0.35	0.0	0.35
1(1)	PIPE						Y	PI 21.3X3.2					
MF	DR												
3-3	41170118205	00	00	W97311701155			1.6	0.0	0	0	0.0	0.0	0.0
1(1)	THROTTLE VALVE DN15-21.3X3.2						Y						
BO	DR												

ENGG			JTE			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date		Initial	Date	
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtchs	09.08.1997	ttxsr	09.08.1997	wtxcb	09.08.1997		
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtchs	09.08.1997	ttxsr	09.08.1997	wtxcb	09.08.1997		
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	mtjpm	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997		



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CBOM No: 01165524000 CBOM Var: 000

Description:

Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Weight	Inclusion?	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description	Var/Mat.	Description		Assy. Remarks	Fab Wt		Blank Sizes	Remarks			
Typ	Cat	Zone	Var/Mat. Description		ENG SIZE/GRP			Mat Shape	Route	Spare Code	Unit	
3-4	41165524302	00 00	AA1041046332	AA10446		0.56	Y	1	1	0.6	0.0	0.6
1(1)	PIPE							PI 21.3X3.2				
MF DR								0072-0315				MR
3-5	41160122012	00 00	W97311601258			1.0	Y	0	0	0.0	0.0	0.0
1(1)	UNION DN16							0.0				
BO DR								0074-0315				NO
4	21165524400	00				1.4	Y					
1(1)	JACKING OIL LINE TO HYD.MOTOR											
MF DR					N			0315-0236				
4-1	41160122046	00 00	AA1041046073	AA10446		1.0	Y	1	1	2.12	0.0	2.12
1(1)	PIPE							PI 13.5X2.9				
MF DR								0072-0315-0236				MR
4-2	41160122006	00 00	W97311601215			0.2	Y	0	0	0.0	0.0	0.0
2(2)	UNION DN 8							0.0				
BO DR								0074-0315				NO
4-3	ST24002 033		W97371601017	ST24002		0.0070		1	2	1.0	0.0	2.0
2(2)	SEALING RING							ST24002.033				
BO DR	A21X28							0074-0315		1F1		NO
4-4	41160122005	00 00	W97311601207			0.4	Y	0	0	0.0	0.0	0.0
1(1)	NON RETURN VALVE G1/2"							0.0				
BO DR								0074-0315				NO
4-5	41160122033	00 00	AA1041046073	AA10446		0.26	Y	1	1	0.475	0.0	0.475
1(1)	PIPE							PI 13.5X2.9				
MF DR								0072-0315-0236				MR
4-6	41160122037	00 00	AA1041046340	AA10446		0.2	Y	1	1	0.22	0.0	0.22
1(1)	PIPE							PI 21.3X3.6		PIPE DIA 21.3 X 3.2 L=210		
MF DR								0072-0315				MR
4-7	W97372356148		ASTMA234			0.2	Y	0	0	0.0	0.0	0.0
1(1)	TEE UNEQUAL ANSI B16.9, ASTM							0.0				
BO DR	21.3*2.8/13.7*2.24							0074-0315				NO

	ENGG		JTE		MTE		TTX		WTX	
	Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxchs	09.08.1997
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxbch	09.08.1997
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997



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Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Blank Sizes	Weight	Mat Shape	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description	Var/Matl.	Description	Mat Code	Mat Spec	Mat Shape	Inclusion?	Route			Remarks	Spare Code	Unit
4-8	41160122012 00 00	W97311601258				0.0	1.0	0.0	0	0	0.0	0.0	0.0
1(1)	UNION DN16						Y						
BO DR								0074-0315					NO
4-9	41165524401 00 00	W97372676010				0.0	0.01	0.0	0	0	0.0	0.0	0.0
1(1)	ORIFICE PLATE						Y						
BO DR								0074-0315					NO
4-10	41160122137 00 00	AA1060256185	0500.214			95.0	1.0	95.0	1	1	1.2	0.0	1.2
1(1)	CONNECTION					RND 50	Y				RND DIA 50x95,TP DIA50X150		
MF DR								0072-0236-0632-0236-0315					KG
5	31165524500 00					1.6							
1(1)	DRAIN PIPE ASSLY					Y							
MF DR					N			0315-0236					
5-1	41160122041 00 00	AA1041046340	AA10446			580.0	0.6	580.0	1	1	0.61	0.0	0.61
1(1)	PIPE					PI 21.3X3.6	Y				PIPE DIA 21.3X3.2 L=580		
MF DR								0072-0315-0236					MR
5-2	41160122138 00 00	AA1060256185	0500.214			95.0	1.0	95.0	1	1	1.2	0.0	1.2
1(1)	CONNECTION					RND 50	Y				DIA50X95 ,TP DIA50X150		
MF DR								0072-0236-0632-0236-0315					KG
6	21160122600 00					2.8							
1(1)	HYDRO MOTRO CONNECTION					Y							
MF DR					N			0315-0236					
6-1	41160122003 00 00	W97311601150				0.0	1.0	0.0	0	0	0.0	0.0	0.0
2(2)	UNION DN16						Y						
BO DR								0074-0315					NO
6-2	41160122038 00 00	AA1041046340	AA10446			700.0	0.8	700.0	1	1	0.74	0.0	0.74
1(1)	PIPE					PI 21.3X3.6	Y						
MF DR								0072-0315					MR
7	21160122600 01					2.8							
1(1)	HYDRO MOTRO CONNECTION					Y							
MF DR					N			0315-0236					

ENGG			JTE			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date		Initial	Date	
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	09.08.1997	09.08.1997	ttxsr	09.08.1997	09.08.1997	wtxcbbs	09.08.1997	
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	09.08.1997	09.08.1997	ttxsr	09.08.1997	09.08.1997	wtxbch	09.08.1997	
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	09.08.1997	09.08.1997	ttxvko	09.08.1997	09.08.1997	wtxhpr	09.08.1997	



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Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Assy. Remarks	ENG SIZE/GRP	Weight	Blank Sizes	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description							Inclusion?	Mat Shape					
Type	Cat	Zone	Var/Matl. Description					Fab Wt	Route				Spare Code	Unit
7-1	41160122003	00	00	W97311601150				1.0	0.0	0	0	0.0	0.0	0.0
2(2)	UNION	DN16						Y						
BO	DR													NO
7-2	41160122039	00	00	AA1041046340	AA10446			0.8	700.0	1	1	0.74	0.0	0.74
1(1)	PIPE							Y	PI 21.3X3.6					
MF	DR								0072-0315-0236					MR
8	31165524700	00	00					0.15						
1(1)	CLAMP	ASSLY						Y						
MF	DR					N			0306-0236					
8-1	41165524701	00	00	AA1011819074	AA10119			0.8	100.0X100.0	1	1	0.85	0.0	0.85
1(1)	PLATE							Y	PL 10					
MF	DR								0072-0301-0306					KG
8-2	41165524702	00	00	AA1011819074	AA10119			1.2	87.0X233.0	1	1	1.65	0.0	1.65
1(1)	PLATE							Y	PL 10					
MF	DR								0072-0301-0306					KG
8-3	41165524703	00	00	AA1011819074	AA10119			0.1	15.0X30.0	1	1	0.1	0.0	0.1
1(1)	PLATE							Y	PL 10					
MF	DR								0072-0301-0306					KG
8-4	41165524704	00	00	AA1011713128	AA10113			0.1	10.0X125.0	1	1	0.11	0.0	0.11
1(1)	CLAMP	SHEE 2.5						Y	SH 2.50					
MF	DR								0072-0321-0317-0321-0306					KG
9				HW7169096021	HW7169096			0.0020	0.0	0	0	0.0	0.0	0.0
1(1)	WASHER	TAB A-ST						Y						
BO	DR	8.4							0075-0236					NO
10				AA7121123142	AA7121123			0.018	0.0	0	0	0.0	0.0	0.0
1(1)	SCRU	HEX A- 8.8						Y						
BO	DR	M8X35							0075-0236					NO
11				AA7151115024	AA7151115			0.0050	0.0	0	0	0.0	0.0	0.0
1(1)	NUT	HEX. A-8						Y						
BO	DR	M8							0075-0236					NO

ENGG			JTE			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date		Initial	Date	
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxcb	09.08.1997		wtxcb	09.08.1997	
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxcb	09.08.1997		wtxcb	09.08.1997	
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997		wtxhpr	09.08.1997	



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Qty(Total)	Description	Var/Matl	Description	Mat Code	Mat Spec	Mat Shape	Inclusion?	Route			Remarks	Spare Code	Unit
12	31160122160 00						1.0						
1(1)	SUPPORT						Y						
MF DR					N								
12-1	41160122161 00 00	AA1011819155	AA10119			0306-0314-0236	0.67	40.0X163.0	1	1	1.5	0.0	1.5
1(1)	PLATE					PL 25	Y				PL 25X40X163		
MF DR						0072-0301-0306							KG
12-2	41160122162 00 00	AA1011819074	AA10119			50.0X120.0	0.3		1	1	0.5	0.0	0.5
1(1)	PLATE					PL 10	Y				PL 10X50X120		
MF DR						0072-0301-0306							KG
13	ST42103 023	AA1011711141	AA10111			25.0X80.0	0.04		1	1	0.05	0.0	0.05
1(1)	PIPE CLIP					SH 3.15	Y						
MF DR	23					0072-0321-0236							KG
14	HW7125198040	HW7125198				0.0	0.016		0	0	0.0	0.0	0.0
1(1)	SCRU SET SOC TP A-45H						Y						
SI DR	M6X10					0075-0236							NO
15	ST24002 045	W97371601149	AA12028			0.0	0.0060		1	3	1.0	0.0	3.0
3(3)	SEALING RING					A27X32	Y						
BO DR	A27X32					0074-0291					1F1		NO
16	31165524001 00 00	HW1020218975	AA10218			45.0	0.5		1	1	1.35	0.0	1.35
1(1)	COLLER NUT					RND 71	Y				DIA71X45		
MF DR						0072-0236							KG
17	AA2151701077	AA21501				0.0	0.36		0	0	0.0	0.0	0.0
2(2)	GASKET S=2,DIA70/DIA 35					2.00 T	Y						
BO DR	RBR CAF GR.A/0-SHEET					0075-0236							KG
18	ST24001 009	W97359801095	ST24001			0.0	0.0050		0	0	0.0	0.0	0.0
2(2)	O-RING					12X3	Y						
BO DR	12X3					0074-0236					1F1		NO
19	41165524002 00 00	HW1020218932	AA10218			70.0	0.4		1	1	4.312	0.0	4.312
1(1)	THREADED PIECE					RND 100	Y				DIA100X70		
MF DR						0072-0236							KG

ENGG			JTE			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date		Initial	Date	
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtcbs	09.08.1997	ttxsr	09.08.1997	wtxcbs	09.08.1997		
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtcbs	09.08.1997	ttxsr	09.08.1997	wtxbch	09.08.1997		
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	mtxvko	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997		



COMBINED BILL OF MATERIAL

Printed On:10.08.2011

Printed By:

Rev Date: 02.06.2010

Revno: 34

CBOM No: 01165524000 CBOM Var: 00

Description: PIPING FOR HYDRAULIC MOTOR

Total weight: 90.2

Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Blank Sizes	Weight	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description	Mat Code	Mat Spec	Blank Sizes	Weight	Mat Shape	Inclusion?					
Type	Cat	Zone	Var/Matl.	Description	ENG SIZE/GRP	Route	Fab Wt			Remarks	Spare Code	Unit
20				AA7111122151	AA7111122	0.0	0.078	0	0	0.0	0.0	0.0
4(4)	BOLT HEX A-8.8					Y						
BO	DR			M10X110								
21				HW7169096030	HW7169096	0.0	0.0030	0	0	0.0	0.0	0.0
4(4)	WASHER TAB A-ST					Y						
BO	DR			10.5								
22				W97311601266		0.0	0.8	0	0	0.0	0.0	0.0
1(1)	THROTTLE VALVE					Y						
BO	DR											
23				21160122240 00		54.0						
1(1)	COVER					Y						
MF	DR			N								
23-1				AA1011819155	AA10119	10.5	10.5	1	1	28.5	0.0	28.5
1(1)	PLATE					Y						
MF	DR											
23-2				AA1011808013	AA10108	6.9	6.9	1	2	7.0	0.0	14.0
2(2)	PLATE 5X430X430					Y						
RM	DR			430.0X430.0								
23-3				AA1011808013	AA10108	9.2	9.2	1	1	9.5	0.0	9.5
1(1)	PLATE 5X432X542					Y						
RM	DR			432.0X542.0								
23-4				AA1011808013	AA10108	0.04	0.04	1	1	0.1	0.0	0.1
1(1)	ST08001 006					Y						
MF	DR											
23-5				AA1011808013	AA10108	9.15	9.15	1	1	9.5	0.0	9.5
1(1)	PLATE 5X430X542					Y						
RM	DR			430.0X542.0								
23-6				AA1011808013	AA10108	0.3	0.3	1	1	0.31	0.0	0.31
1(1)	41160122242 00 00					Y						
MF	DR											

ENGG			JTE			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date		Initial	Date	
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtcbs	09.08.1997	ttxsr	09.08.1997	wtxcb	09.08.1997	wtxcb	09.08.1997
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtcbs	09.08.1997	ttxsr	09.08.1997	wtxcb	09.08.1997	wtxcb	09.08.1997
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	mtxvko	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997	wtxhpr	09.08.1997



COMBINED BILL OF MATERIAL

Printed On:10.08.2011

Printed By:

Rev Date: 02.06.2010

Revno: 34

CBOM No: 01165524000 CBOM Var: 00

Description: PIPING FOR HYDRAULIC MOTOR

Total weight: 90.2

Item No	Drawingno	Var Mvar	Mat Code	Mat Spec	Blank Sizes	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description				Mat Shape					
Type	Cat	Zone	Var/Matl. Description	ENG SIZE/GRP	Route				Spare Code	Unit
23-7			AA7121123045	AA7121123	0.0	0	0	0.0	0.0	0.0
6(6)	SCRU HEX A- 8.8				Y					
SI	DR				0075-0236					NO
23-8			AA2151701077	AA21501	120.0X120.0	1	1	0.058	0.0	0.058
1(1)	GASKET				2.00 T			SH.2X120X120		
MF	DR				0072-0236					KG
23-9			AA1011808013	AA10108	430.0X542.0	1	1	9.5	0.0	9.5
1(1)	PLATE				PL 5			PL 5X430X542		
MF	DR				0072-0301-0317-0306					KG
24			AA7123123379	AA7123123	0.0	0	0	0.0	0.0	0.0
1(1)					M8X30					
SI	DR				0075-0236					NO
25			AA2151701077	AA21501	620.0X510.0	1	1	0.11	0.0	0.11
1(1)	GASKET				2.00 T			SHS=2X620X510		
MF	DR				0072-0236					KG
26			W97371601033	ST24002	0.0	1	4	1.0	0.0	4.0
4(4)	SEALING RING				A33X39					
BO	DR				0074-0291			1F1		NO
27			W97311655013		0.0	0	0	0.0	0.0	0.0
1(1)	7 PIN CONNECTOR				Y					
BO	DR				0074-0236					NO
28			W97328501022		0.0	0	0	10.0	0.0	10.0
1(1)	TEFLON CABLE 4X1.5 MM 2				Y					
BO	DR				0074-0236					MR
29			W97311601231		0.0	0	0	0.0	0.0	0.0
1(1)	VALVE COMBINATION				Y					
BO	DR				0074-0236					NO
30			HW1012508986	AA10108	85.0	1	1	0.12	0.0	0.12
1(1)	SPPORT				25X25X3					
MF	DR				0072-0301-0236					KG

ENGG			JTE			MTE			TTX			WTX		
Initial	Date		Initial	Date		Initial	Date		Initial	Date		Initial	Date	
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtcbs	09.08.1997	ttxsr	09.08.1997	wtxcbcs	09.08.1997		
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	mtcbs	09.08.1997	ttxsr	09.08.1997	wtxcbch	09.08.1997		
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	mtxvko	09.08.1997	ttxvko	09.08.1997	wtxhpr	09.08.1997		



COMBINED BILL OF MATERIAL

Printed On:10.08.2011

Printed By:

Rev Date: 02.06.2010
Total weight: 90.2

CBOM No: 01165524000 CBOM Var: 00 Revno: 34
Description: PIPING FOR HYDRAULIC MOTOR

Item No	Drawingno	Var	Mvar	Mat Code	Mat Spec	Weight	Blank Sizes	Nos	Qty	Norm/pc	Extra Norm	Total Norm
Qty(Total)	Description				Assy. Remarks	Inclusion?	Mat Shape		Remarks			
Typ	Cat	Zone	Var/Matl. Description		ENG SIZE/GRP	Fab Wt	Route				Spare Code	Unit
31			ST42103 015	AA1011711117	AA10111	0.02	20.0X60.0	1	1	0.03	0.0	0.03
1(1)			PIPE CLIP			Y	SH 2.00		SH=2X20X60			
BO	DR		15.5				0072-0321-0236					KG
32				AA7121123045	AA7121123	0.0060	0.0	0	0	0.0	0.0	0.0
1(1)			SCRU HEX A- 8.8			Y						
BO	DR		M6X16				0075-0236					NO
33				AA7151115016	AA7151115	0.0030	0.0	0	0	0.0	0.0	0.0
1(1)			NUT HEX. A-8			Y						
BO	DR		M6				0075-0236					NO
34				HW7169096013	HW7169096	0.0010	0.0	0	0	0.0	0.0	0.0
1(1)			WASHER TAB A-ST			Y						
BO	DR		6.4				0075-0236					NO
35				AA7151115083	AA7151115	0.0010	0.0	0	0	0.0	0.0	0.0
1(1)			NUT HEX. A-8			Y						
BO	DR		M5				0075-0236					NO

CBOM - 01

ENGG		JTE		MTE		TTX		WTX	
Initial	Date	Initial	Date	Initial	Date	Initial	Date	Initial	Date
Worked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxcbs
Checked By	stedkr	05.07.1997	jtemlv	09.08.1997	mtechs	09.08.1997	ttxsr	09.08.1997	wtxbch
Approved By	stevks	11.08.1997	jtems	09.08.1997	mtejpm	09.08.1997	ttxvko	09.08.1997	wtxhpr