



LOADING YOUR FUEL

Dipl.-Ing. SCHERZER GmbH
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Plant engineering for storage and handling of
mineral oil and chemical products
Adlerstraße 16 a ; D-45307 Essen
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TAKING CARE

SCHERZER Umwelttechnik GmbH
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Installed filling tube systems by SCHERZER for ON-SPOT railcar loading facilities since 1967

No.	Project no.	Year of delivery	Type	Drawing-no.	Gasrecovery		Connections DN			s. cushion height	Product	Heating	Filling speed m ³ /h	Filling speed USgal/h	Remarks
					yes	no	Gas	Product	Slop						
1	002 - 67	1967/68	230-4200			x			250		Heating oil, heavy (HS)			ER-Neustadt (Germany)	
2	003 - 70	1969/70	230-4200	003-02041		x			200		Heating oil			ER-Neustadt (Germany)	
3	004 - 72	1971/73	300-4200			x			300		gasoline			ER-Neustadt (Germany)	
4	004 - 72	1971/73	300-4200			x			300		gasolines			ER-Neustadt (Germany)	
5	004 - 72	1971/73	300-4200			x			300		Heating oil, heavy (HS)			ER-Neustadt (Germany)	
6	004 - 72	1971/73	300-4200			x			300					ER-Neustadt (Germany)	
7	004 - 72	1971/73	200-4200			x			200					ER-Neustadt (Germany)	
8	004 - 72	1971/73	200-4200			x			200					ER-Neustadt (Germany)	
9	005 - 73	1973	300-4250			x					gasolines/heating oil			Ingolstadt (Germany)	
10	005 - 73	1973	300-4250			x					Heating oil, heavy (HS)			Ingolstadt (Germany)	
11	011 - 74	1975/76	230 - 4250	ZD 6178.0		x			DN 250	DN 25	200	gasolines/Diesel oil		ARAL bis 1994- MUT (Germany)	
12	013 - 76	1977/78	200 - 2600	ZD 2381.0		x			DN 200	DN 25		caustic soda hxdrated		BUNA/ 1.4571(V4A) (Germany)	
13	109 - 82	1982	230 - 4200	ZD 3682.0		x			DN 250	DN 25		crude oil		ROSTOCK (Germany)	
14	109 - 82	1982	230 - 4200	ZD 3682.0		x			DN 250	DN 25		Diesel oil		ROSTOCK (Germany)	
15	223 - 84	1984	230 - 4200	ZD 4215.0		x			DN 200	DN 25		JET A1/Diesel oil		VEBA Gelsenkirchen (Germany)	
16	443 - 88	1988	230 - 4200	ZD 5137.0		x			DN 200	DN 25		Diesel oil/heating oil		LITVINOV (Czech Rep.)	
17	443 - 88	1988	230 - 4200	ZD 5137.0		x			DN 200	DN 25		Diesel oil/heating oil		LITVINOV (Czech Rep.)	
18	447 - 87	1989	230 - 4200	ZD 5458.0	x		ASA 4"	ASA 8"	ASA 1"	200		gasolines/Diesel oil		ESSO Karlsruhe/ 11 (Germany)	
19	447 - 87	1989	230 - 4200	ZD 5453.0/A	x		ASA 4"	ASA 6"	ASA 1"	200		gasolines/Diesel oil		ESSO Karlsruhe / 10 (Germany)	
20	447 - 87	1989	230 - 4200	ZD 5453.0	x		ASA 4"	ASA 6"	ASA 1"	200		gasolines/Diesel oil		ESSO Karlsruhe / 9 (Germany)	
21	447 - 87	1989	230 - 4200	ZD 5659.0	x		ASA 4"	ASA 6"	ASA 1"	200		gasolines/Diesel oil		ESSO Karlsruhe / 9+10 (Germany)	
22	527 - 88	1989	230 - 4200	ZD 5450.0	x		DN 100	DN 150	DN 25	200		gasolines/Diesel oil		OMW / 18 (Austria)	
23	527 - 88	1989	230 - 4200	ZD 5446.0	x		DN 100	DN 150	DN 25	200		gasolines/Diesel oil		OMW / 17 (Austria)	
24	527 - 88	1989	230 - 4200	ZD 5442.0	x		DN 100	DN 150	DN 25	200		gasolines/Diesel oil		OMW / 16 (Austria)	
25	527 - 88	1989	230 - 4200	ZD 5373.0	x		DN 100	DN 150	DN 25	200		gasolines/Diesel oil		OMW / 15 (Austria)	
26	428 - 87	1989	230 - 4200	ZD 5468.0		x			DN 250	DN 25		gasolines/Diesel oil/salad oil		WISMAR (Germany)	
27	428 - 87	1989	230 - 4200	ZD 5468.0		x			DN 250	DN 25		gasolines/Diesel oil/salad oil		WISMAR (Germany)	
28	428 - 87	1989	230 - 4200	ZD 5468.0		x			DN 250	DN 25		gasolines/Diesel oil/salad oil		WISMAR (Germany)	
29	584 - 89	1990	170 - 4200	ZD 5651.0	x		DN 80	DN 150	DN 25	200		C ₆ -C ₁₀ Oletine		NERATOVICE (Czech Rep.)	
30	584 - 89	1990	170 - 4200	ZD 5651.0/A	x		DN 80	DN 150	DN 25	200		C ₆ -C ₁₀ Oletine		NERATOVICE (Czech Rep.)	
31	584 - 89	1990	170 - 2600	ZD 5655.0	x		DN 80	DN 150	DN 25	200		C ₁₂ Oletine	x	NERATOVICE (Czech Rep.)	
32	584 - 89	1990	170 - 2600	ZD 5655.0/A	x		DN 80	DN 150	DN 25	200		C ₁₂ Oletine	x	NERATOVICE (Czech Rep.)	
33	555 - 89	1990	200 - 4200	ZD 5475-0		x	DN 100	DN 250	DN 25	200		heating oil/Diesel oil	x electr.	SCHWEDT (Germany)	
34	555 - 89	1990	200 - 4200	ZD 5475-0		x	DN 100	DN 250	DN 25	200		heating oil/Diesel oil	x electr.	SCHWEDT (Germany)	
35	555 - 89	1990	200 - 2600	ZD 5479.0		x			DN 250			bitumen	x steam	SCHWEDT (Germany)	
36	555 - 89	1990	200 - 4200	ZD 5475.0		x			DN 250	DN 25		heating oil/Diesel oil	x electr.	SCHWEDT (Germany)	
37	573 - 89	1990	200 - 4200	ZD 5483-0	x				DN 250	DN 25		Benzol		SCHWEDT (Germany)	
38	573 - 89	1990	200 - 4200	ZD 5483-0	x				DN 250	DN 25		Benzol		SCHWEDT (Germany)	
39	573 - 89	1990	200 - 4200	ZD 5475.0		x			DN 250	DN 25		Heating oil, heavy (HS)	x electr.	SCHWEDT (Germany)	
40	573 - 89	1990	200 - 2600	ZD 5479.0		x			DN 250			Bitumen	x steam	SCHWEDT (Germany)	



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No.	Project no.	Year of delivery	Type	Drawing-no.	Gasrecovery		Connections DN			s. cushion height	Product	Heating	Filling speed m³/h	Filling speed USgal/h	Remarks
					yes	no	Gas	Product	Slop						
41	565 - 89	1990	230 - 4200	ZD 5464.0	x		DN 100	DN 250	DN 32	200				NEUSTADT (Germany)	
42		1990	230 - 4200	ZD 5464.0/A	x		DN 100	DN 250	DN 32	200				NEUSTADT (Germany)	
43	624 - 90	1991	230 - 4200	ZD 5673.0	x		DN 100	DN 200	DN 25	200	gasolines/Diesel oil			ESSO, BASEL (Switzerland)	
44	690 - 91	1991	230 - 4200	ZD 5680.0	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasolines/Diesel oil			RVI-VOHBURG (Germany)	
45	690 - 91	1991	230 - 4200	ZD 5680.0/A	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasolines/Diesel oil			RVI-VOHBURG (Germany)	
46	607/626-90	1992	200-2600	ZD 5663.0	x		DN 100	DN 200	DN 25	Schirm	Bitumen	x		LITVINOV (Czech Rep.)	
47	691 - 91	1992	200 - 4200	ZD 6151.0	x		DN 100	DN 150	DN 25	200				MOL (Hungary)	
48	691 - 91	1992	200 - 4200	ZD 6151.0	x		DN 100	DN 150	DN 25	200				MOL (Hungary)	
49	691 - 91	1992	200 - 4200	ZD 6157.0	x		DN 100	DN 150	DN 25	200				MOL (Hungary)	
50	691 - 91	1992	200 - 4200	ZD 6157.0	x		DN 100	DN 150	DN 25	200				MOL (Hungary)	
51	691 - 91	1992	200 - 4200	ZD 6158.0	x		DN 100	DN 200	DN 25	200				MOL (Hungary)	
52	691 - 91	1992	200 4200	ZD 6159.0	x		DN 100	DN 200	DN 25	200				MOL (Hungary)	
53	692 - 91	1993	230 - 3000	ZD 6331.0	x		DN 100	DN 200	DN 25	Schirm	Bitumen	x		Slovnaft (Slovakia)	
54	697 - 91	1992	230 - 4200	ZD 6165.0	x		ANSI 4"	ANSI 8"	ANSI 1"	300	gasolines/Diesel oil			FINA-ANTWERPEN (Nederlands)	
55	789 - 92	1992	230 - 4250	ZD 6173.0	x		DN 100	DN 200	DN 25	200	gasolines			OMV - Vienna (Austria)	
56	791-92	1992	230 - 4250	ZD 6342.0	x		DN 100	DN 200	DN 25	200	hydrocarbon			SPEYER (Germany)	
57	791-92	1992	230 - 4250	ZD 6345.0	x		DN 100	DN 250	DN 25	200	Methanol			SPEYER (Germany)	
58	728 - 91	1993	230 - 4250	ZD 6347.0	x		DN 150	DN 250	DN 25	300	gasolines/Diesel oil	720	190.080	AVIA-BASEL (Switzerland)	
59	728 - 91	1993	230 - 4250	ZD 6354.0	x		DN 150	DN 250	DN 25	300	gasolines/Diesel oil	720	190.080	AVIA-BASEL (Switzerland)	
60	805 - 92	1993	200 - 4200	ZD 6339.0		x		DN 250	DN 25		reserve filling tube			SCHWEDT (Germany)	
61	594 - 89	1994	230 - 4250	ZD 6690.0	x		DN 100	DN 200	DN 25	200	reserve filling tube			BURGAS (Bulgaria)	
62	594 - 89	1994	230 - 4250	ZD 6690.0	x		DN 100	DN 200	DN 25	200	gasolines/Naphta/Diesel oil			BURGAS (Bulgaria)	
63	594 - 89	1994	230 - 4250	ZD 6690.0	x		DN 100	DN 200	DN 25	200	gasolines/Naphta/Diesel oil			BURGAS (Bulgaria)	
64	594 - 89	1994	230 - 4250	ZD 6690.0	x		DN 100	DN 200	DN 25	200	Jet-A1/RT			BURGAS (Bulgaria)	
65	771 - 92	1994	230 - 4250	ZD 6359.0	x		DN 100	DN 200	DN 25	200	gasolines/heating oil			LEUNA (Germany)	
66	771 - 92	1994	230 - 4250	ZD 6359.0	x		DN 100	DN 200	DN 25	200	gasolines/heating oil			LEUNA (Germany)	
67	640 - 90	1994	230-4250	ZD 6178.0	x		DN 100	DN 200	DN 25	200	gasolines/Diesel oil			ARAL Gels.-Neu/ 011-74 (Germany)	
68	911 - 94	1994	230 - 4250	ZD 6703.0	x		DN 100	DN 200	G 1"	200	gasolines/Diesel oil			ESSO, GENF (Switzerland)	
69	730 - 91	1994	230 - 4250	ZD 6709.0	x		DN 100	DN 200	DN 25	250	gasolines			Slovnaft (Slovakia)	
70	730 - 91	1994	230 - 4250	ZD 6709.0	x		DN 100	DN 200	DN 25	250	JET-A1+Diesel oil			Slovnaft (Slovakia)	
71	0787 - 92	1995	230 - 4250	ZD 6902.0	x		DN 100	DN 200	DN 25	250	MTBE/gasolines			PLOCK / 6.1 (Poland)	
72	0787 - 92	1995	230 - 4250	ZD 6902.0	x		DN 100	DN 200	DN 25	250	MTBE/gasolines			PLOCK / 5.1 (Poland)	
73	0787 - 92	1995	230 - 4250	ZD 6904.0	x		DN 100	DN 200	DN 25	250	gasolines			PLOCK / 6.2 (Poland)	
74	0787 - 92	1995	230 - 4250	ZD 6904.0	x		DN 100	DN 200	DN 25	250	gasolines			PLOCK / 5.2 (Poland)	
75	0787 - 92	1995	230 - 4250	ZD 6906.0	x		DN 100	DN 150	DN 25	250	Toluol			PLOCK / 6.3 (Poland)	
76	0787 - 92	1995	230 - 4250	ZD 6906.0	x		DN 100	DN 150	DN 25	250	Toluol			PLOCK / 5.3 (Poland)	
77	0787 - 92	1995	230 - 4250	ZD 6908.0	x		DN 100	DN 150	DN 25	250	gasolines	x electr.		PLOCK / 6.4 (Poland)	
78	0787 - 92	1995	230 - 4250	ZD 6908.0	x		DN 100	DN 150	DN 25	250	Xyluol,OrXyl.,PXyl.	x electr.		PLOCK / 5.4 (Poland)	
79	0787 - 92	1996	230 - 4250	ZD 6929.9	x		DN 100	DN 200	DN 25	250	HFO-CO	x electr.		PLOCK / 3.1 (Poland)	
80	0787 - 92	1996	230 - 4250	ZD 6929.0	x		DN 100	DN 200	DN 25	250	HFO-CO	x electr.		PLOCK / 4.1 (Poland)	



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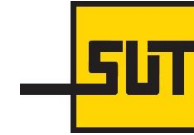
No.	Project no.	Year of delivery	Type	Drawing-no.	Gasrecovery		Connections DN			s. cushion height	Product	Heating	Filling speed m³/h	Filling speed USgal/h	Remarks
					yes	no	Gas	Product	Slop						
81	0787 - 92	1996	230 - 4250	ZD 6931.0	x		DN 100	DN 200	DN 25	250	DO,ED;ET				PLOCK / 3.2 (Poland)
82	0787 - 92	1996	230 - 4250	ZD 6931.0	x		DN 100	DN 200	DN 25	250	DO,ED;ET				PLOCK / 4.2 (Poland)
83	0787 - 92	1996	230 - 4250	ZD 6931.0	x		DN 100	DN 200	DN 25	250	Jet				PLOCK / 3.3 (Poland)
84	0787 - 92	1996	230 - 4250	ZD 6931.0	x		DN 100	DN 200	DN 25	250	Jet				PLOCK / 4.3 (Poland)
85	0787 - 92	1996	230 - 4250	ZD 6929.0	x		DN 100	DN 200	DN 25	250	HFO-CO	x electr.			PLOCK / 1.1 (Poland)
86	0787 - 92	1996	230 - 4250	ZD 6929.0	x		DN 100	DN 200	DN 25	250	HFO-CO	x electr.			PLOCK / 2.1 (Poland)
87	0787 - 92	1996	230 - 4250	ZD 6931.0	x		DN 100	DN 200	DN 25	250	DO,ED;ET				PLOCK / 1.2 (Poland)
88	0787 - 92	1996	230 - 4250	ZD 6931.0	x		DN 100	DN 200	DN 25	250	DO,ED;ET				PLOCK / 2.2 (Poland)
89	0787 - 92	1997	230 - 4250	ZD 6931.0	x		DN 100	DN 200	DN 25	250	reseve filling tube				PLOCK (Poland)
90	0993 - 94	1995	230 - 4250	ZD 6949.0	x		ANSI 4"	ANSI 6"	ANSI 1"	200	gasoline+Diesel				INGOLSTADT ESSO (Germany)
91	0993 - 94	1995	230 - 4250	ZD 6949.0	x		ANSI 4"	ANSI 6"	ANSI 1"	200	gasoline+Diesel				INGOLSTADT ESSO (Germany)
92	0725 - 91	1996	230 - 4250	ZD 7270.0	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasolines				(Iran)
93	0725 - 91	1996	230 - 4250	ZD 7270.0	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasolines				(Iran)
94	0725 - 91	1996	230 - 4250	ZD 7272.0		x	ANSI 4"	ANSI 8"	ANSI 1"	200	Diesel oil/heating oil				(Iran)
95	0725 - 91	1996	230 - 4250	ZD 7272.0		x	ANSI 4"	ANSI 8"	ANSI 1"	200	Diesel oil/heating oil				(Iran)
96	0725 - 91	1996	230 - 4250	ZD 7273.0		x	ANSI 4"	ANSI 8"	ANSI 1"	200	Heating oil, heavy (HS)	x electr.			(Iran)
97	0725 - 91	1996	230 - 4250	ZD 7273.0		x	ANSI 4"	ANSI 8"	ANSI 1"	200	Heating oil, heavy (HS)	x electr.			(Iran)
98	1057 - 95	1996	230 - 4700	ZD 7288.0	x		DN 100	DN 250	DN 25	Plate	gasoline				ORENBURG (Russia)
99	1057 - 95	1996	230 - 4700	ZD 7288.0	x		DN 100	DN 250	DN 25	Plate	gasoline				ORENBURG (Russia)
100	1032 - 95	1996	230 - 4250	ZD 6956.0	x		DN 100	DN 200	DN 25	200	MTBE/gasolines				MOL (Hungary)
101	1032 - 95	1996	230 - 4250	ZD 6956.0	x		DN 100	DN 200	DN 25	200	MTBE/gasolines				MOL (Hungary)
102	1032 - 95	1996	230 - 4250	ZD 6961.1		x	DN 100	DN 200	DN 25		Heating oil, heavy/Bitumen	x electr.			MOL (Hungary)
103	1032 - 95	1996	230 - 4250	ZD 6961.1		x	DN 100	DN 200	DN 25		Heating oil, heavy/Bitumen	x electr.			MOL (Hungary)
104	1106-96	1997	230-4250	ZD 7308.0	x		DN 100	DN 200	-	200	gasolines,Diesel oil/heating oil		420/600	154.400	Shell-Flörsheim (Germany)
105	1106-96	1997	230-4250	ZD 7308.0	x		DN 100	DN 200	-	200	gasolines,Diesel oil/heating oil		420/600	154.400	Shell-Flörsheim (Germany)
106	615-90	1997	230-4250	ZD 7609.0	x		DN 100	DN 200	DN 25	250	techn.gasoline/Ottokr.				CESKA-RAFF.LITVINOV (Czech Rep.)
107	615-90	1997	230-4250	ZD 7609.0	x		DN 100	DN 200	DN 25	250	techn.gasoline/Ottokr.				CESKA-RAFF.LITVINOV (Czech Rep.)
108	615-90	1997	230-4250	ZD 7609.0	x		DN 100	DN 200	DN 25	250	Jet A1/Diesel oil				CESKA-RAFF.LITVINOV (Czech Rep.)
109	1219-98	1998	200-4350	ZD 7764.0B	x		DN 100	DN 150	DN 25	250	MTBE/Naphta,OK,DK/HEL				J.H. Tonne Nachf. GmbH (Germany)
109	1120-96	1997	200-2600	ZD 2381.0		x	-	DN 200	DN 25	-	Sodium hydroxide solution	x electr.			BSL Schkopau (Germany)
111	1147-97	1998	200-4250	ZD 7800.0	x		ANSI 4"	ANSI 6"	ANSI 1"	200	Gasoline, Diesel, Kerosine				CONOCO (Great Britain)
112	1147-97	1998	200-4250	ZD 7800.0	x		ANSI 4"	ANSI 6"	ANSI 1"	200	Gasoline, Diesel, Kerosine				CONOCO (Great Britain)
113	1147-97	1998	200-4250	ZD 7800.0	x		ANSI 4"	ANSI 6"	ANSI 1"	200	Gasoline, Diesel, Kerosine				CONOCO (Great Britain)
114	999-95	1999	200 - 4250	ZD 7987.0	x		DN 100	DN 200	-	250	Benzol	x electr.	230	60.720	CHEMOPETR. LITVINOV (Czech Rep.)
115	999-95	1999	200 - 4250	ZD 7987.0	x		DN 100	DN 200	-	250	Benzol	x electr.	230	60.720	CHEMOPETR. LITVINOV (Czech Rep.)
116	999-95	1999	200 - 4250	ZD 7987.0	x		DN 100	DN 200	-	250	PTO	x electr.	230	60.720	CHEMOPETR. LITVINOV (Czech Rep.)
117	999-95	1999	200 - 4250	ZD 7987.0	x		DN 100	DN 200	-	250	PTO	x electr.	230	60.720	CHEMOPETR. LITVINOV (Czech Rep.)
118	999-95	1999	200 - 4250	ZD 7987.0	x		DN 100	DN 200	-	250	C9		80	21.120	CHEMOPETR. LITVINOV (Czech Rep.)
119	999-95	1999	200 - 4250	ZD 7987.0	x		DN 100	DN 200	-	250	PPO	x electr.	230	60.720	CHEMOPETR. LITVINOV (Czech Rep.)
120	1233-98	1999	230 - 4350	ZD 8000.0	x		ASA 4"	ASA 8"	ASA 1"	300	gasoline		450	118.800	ESSO Fos sur Mer (France)



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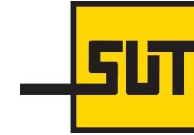
No.	Project no.	Year of delivery	Type	Drawing-no.	Gasrecovery		Connections DN			s. cushion height	Product	Heating	Filling speed m ³ /h	Filling speed USgal/h	Remarks
					yes	no	Gas	Product	Slop						
121	1233-98	1999	230 - 4350	ZD 8000.0	x		ASA 4"	ASA 8"	ASA 1"	300	gasoline		450	118.800	ESSO Fos sur Mer (France)
122	1067-95	1999	230-4250	ZD 8121.0	x		DN 100	DN 200	DN 25	250	gasoline		600	158.400	Slovnaft/Bratislava (Slovakia)
123	1067-95	1999	230-4250	ZD 8121.0	x		DN 100	DN 200	DN 25	250	gasoline		600	158.400	Slovnaft/Bratislava (Slovakia)
124	1250-98	1999	230-4250	ZD 8134.0	x		ASA 5"	ASA 8"	ASA 1"	250	gasoline		600	158.400	TOTAL Le Havre (France)
125	1250-98	1999	230-4250	ZD 8134.0	x		ASA 5"	ASA 8"	ASA 1"	250	gasoline		600	158.400	TOTAL Le Havre (France)
126	1180-99	1999	230-4250	ZD.8200-0		x	DN 100	DN 250	DN 25	-	heating oil	x steam	600	158.400	Bayernoil Neustadt (Germany)
127	1306-00	2000	230 - 4250	ZD 1365-0		x	DN 100	DN 150	DN 25	-	diesel oil		400	105.600	Slovnaft/Bratislava (Slovakia)
128	1338-00	2000	230 - 4250	ZD 8439.0	x		DN 100	DN 200	DN 25	250	OK91, OK 95, Diesel, HEL		600	158.400	VA-Tech / Leuna (Germany)
129	1343-00	2000	230 - 4700	ZD 7288.0	x		DN 100	DN 250	DN 25	Plate	gasoline		600	158.400	South Ural Comp. / Russia
130	1343-01	2000	230 - 4700	ZD 7288.0	x		DN 100	DN 250	DN 25	Plate	gasoline		600	158.400	South Ural Comp. / Russia
131	1207-97	2001	230-4250	ZD 8595-0	x		DN 100	DN 200	DN 25	300	gasoline		250	66.000	J. Zink (Rumania)
132	1207-97	2001	230-4250	ZD 8595-0	x		DN 100	DN 200	DN 25	300	gasoline		250	66.000	J. Zink (Rumania)
133	1356-00	2001	230-4250	ZD 8544-0		x	-	DN 250	DN 25	-	heating oil		600	158.400	Bayernoil Neustadt (Germany)
134	1321-00	2001	230-4250	ZD 8634-0/1-B	x		ASA 4"	ASA 10"	ASA 1"	200	gasoline/diesel		300	79.200	BP Grangemouth, (Great Britain)
135	1321-00	2001	230-4250	ZD 8634-0/1-B	x		ASA 4"	ASA 10"	ASA 1"	200	gasoline/diesel		300	79.200	BP Grangemouth, (Great Britain)
136	1321-00	2001	230-4250	ZB 8634-0/2-C		x	-	ASA 10"	ASA 1"	-	Kerosin		300	79.200	BP Grangemouth, (Great Britain)
137	1321-00	2001	230-4250	ZB 8634-0/2-C		x	-	ASA 10"	ASA 1"	-	Kerosin		300	79.200	BP Grangemouth, (Great Britain)
138	1448-01	2001	230-4250	ZD 8794.0	x		DN 100	DN 200	DN 25	250	techn. Gasoline / heating oel				CESKA-RAFF.LITVINOV (Czech Rep.)
139	1461-01	2002	230-4200	ZD 8900-0	x		ASA 4"	ASA 6"	ASA 1"	200	diesel/HEL				Esso Ingolstadt (Germany)
140	1461-01	2002	230-4200	ZD 8900-0	x		ASA 4"	ASA 6"	ASA 1"	200	diesel/HEL				Esso Ingolstadt (Germany)
141	787-92/E	2002	230-4250	ZD 6902-0	x		DN 100	DN 200	DN 25	250	MTBE		500	132.000	PKN ORLEN S.A, (Poland)
142	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	gasoline / diesel		700	184.800	Mazeikiu Nafta, (Lithuania)
143	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	gasoline / diesel		700	184.800	Mazeikiu Nafta, (Lithuania)
144	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	gasoline / diesel		700	184.800	Mazeikiu Nafta, (Lithuania)
145	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	gasoline / diesel		700	184.800	Mazeikiu Nafta, (Lithuania)
146	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	Jet		625	165.000	Mazeikiu Nafta, (Lithuania)
147	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	Jet		625	165.000	Mazeikiu Nafta, (Lithuania)
148	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	Jet		625	165.000	Mazeikiu Nafta, (Lithuania)
149	1359-00	2003	230-4700	ZD.9056-0	x		6"	10"	-	Plate	Jet		625	165.000	Mazeikiu Nafta, (Lithuania)
150	1578-03	2003	230-4250	ZD6957-0	x		DN 100	DN 200	DN 25	200	MTBE		450	118.800	Mol, (Hungary)
151	1578-03	2003	230-3000	ZD6961-0		x	DN 100	DN 200	-		heating oil (95°C)	x electr.	450	118.800	Mol, (Hungary)
152	1580-03	2003	230-4700	ZD 9330-0	x		DN 150	DN 250	-	Plate	Gascondensate		750	198.000	NOVATEK (Russia)
153	1580-03	2003	230-4700	ZD 9330-0	x		DN 150	DN 250	-	Plate	Gascondensate		750	198.000	NOVATEK (Russia)
154	1603-03	2004	230-3000	ZD 9398-0	x		DN100	DN200	DN25	Plate	heating oil	x electr.	400	105.600	CESKA-RAFFINERSKA Litvinov (Czech Rep.)
155	1625-04	2004	230-4250	ZD 5659-0	x		4"	8"	1"	200	gasoline / diesel				MIRO Karlsruhe (Germany)
156	1471-01	2004	230-4700	ZD.9363-0	x		DN150	DN250	DN25	Plate	gasoline / diesel / Jet		600	158.400	Slavneft Janos (Russia)
157	1471-01	2004	230-4700	ZD.9363-0	x		DN150	DN250	DN25	Plate	gasoline / diesel / Jet		600	158.400	Slavneft Janos (Russia)
158	1630-04	2004	230-4250	ZD 8634-0	x		ASA 4"	ASA 10"	ASA 1"	200	gasoline		300	79.200	BP Grangemouth, (Great Britain)
159	1630-04	2004	230-4250	ZD 8634-0		x	-	ASA 10"	ASA 1"	-	kerosine		300	79.200	BP Grangemouth, (Great Britain)
160	1471-01	2004	230-4700	ZD.9363-0	x		DN150	DN250	DN25	Plate	gasoline / diesel / Jet		600	158.400	Slavneft Janos (Russia)



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No.	Project no.	Year of delivery	Type	Drawing-no.	Gasrecovery		Connections DN			s. cushion height	Product	Heating	Filling speed m ³ /h	Filling speed USgal/h	Remarks
					yes	no	Gas	Product	Slop						
161	1471-01	2004	230-4700	ZD.9363-0	x		DN150	DN250	DN25	Plate	gasoline / diesel / Jet		600	158.400	Slavneft Janos (Russia)
162	1471-01	2004	230-4700	ZD.9363-0	x		DN150	DN250	DN25	Plate	gasoline / diesel / Jet		600	158.400	Slavneft Janos (Russia)
163	1471-01	2004	230-4700	ZD.9363-0	x		DN150	DN250	DN25	Plate	gasoline / diesel / Jet		600	158.400	Slavneft Janos (Russia)
164	1702-05	2005	230-4250	ZD 9665-0	x		DN150	DN250	-	250	diesel / HEL		480	126.720	PCK Schwedt, (Germany)
165	1718-05	2005	230-4700	ZD 9654-0	x		DN150	DN250	-	Plate	gasoline / diesel		550	145.200	Ufa (Russia)
166	1718-05	2005	230-4700	ZD 9654-0	x		DN150	DN250	-	Plate	gasoline / diesel		550	145.200	Ufa (Russia)
167	1718-05	2005	230-4700	ZD 9654-0	x		DN150	DN250	-	Plate	gasoline / diesel		550	145.200	Ufa (Russia)
168	1718-05	2005	230-4700	ZD 9654-0	x		DN150	DN250	-	Plate	gasoline / diesel		550	145.200	Ufa (Russia)
169	1599-03	2006	230-4250	ZD10224-0		x	DN100	DN250	DN25	-	gasoline / diesel / heating oil		600	158.400	Bayernoil Neustadt, (Germany)
170	1786-06	2006	230-4250	ZD 9893-0	x		DN100	DN150	-	200	gasoline / diesel		350	92.400	MIRO Karlsruhe, (Germany)
171	1786-06	2006	230-4250	ZD 9893-0		x	-	DN150	-	-	heating oil (95°C)	x electr.	350	92.400	MIRO Karlsruhe, (Germany)
172	1790-06	2006	230-4250	ZD 9923-0	x		DN100	DN150	DN25	200	gasoline / diesel		400	105.600	MOL Szajol, (Hungary)
173	1739-05	2006	230-4700	ZD 9941-0	x		DN150	DN250	-	Plate	gasoline / diesel	x	700	184.800	Primex Ufa Neftechim (Russia)
174	1739-05	2006	230-4700	ZD 9941-0	x		DN150	DN250	-	Plate	gasoline / diesel	x	700	184.800	Primex Ufa Neftechim (Russia)
175	1739-05	2006	230-4700	ZD 9941-0	x		DN150	DN250	-	Plate	gasoline / diesel	x	700	184.800	Primex Ufa Neftechim (Russia)
176	1739-05	2006	230-4700	ZD 9941-0	x		DN150	DN250	-	Plate	gasoline / diesel	x	700	184.800	Primex Ufa Neftechim (Russia)
177	1057-95E	2006	230 - 4700	ZD 7288.1	x		DN100	DN250	DN25	Plate	Gascondensate		700	184.800	ORENBURG (Russia)
178	1703-05	2007	230-4250	ZD 10021-0	x		DN100	DN200	DN25	250	gasoline / ethanethiol		500	132.000	ORLEN Plock, (Poland)
179	1703-05	2007	230-4250	ZD 10021-0	x		DN100	DN200	DN25	250	gasoline / aromatics	x	500	132.000	ORLEN Plock, (Poland)
180	1703-05	2007	230-4250	ZD 10021-0	x		DN100	DN200	DN25	250	aromatics	x	500	132.000	ORLEN Plock, (Poland)
181	1703-05	2007	230-4250	ZD 10021-0	x		DN100	DN200	DN25	250	aromatics	x	500	132.000	ORLEN Plock, (Poland)
182	1703-05	2007	230-4250	ZD 10021-0	x		DN100	DN200	DN25	250	aromatics / benzol		500	132.000	ORLEN Plock, (Poland)
183	1703-05	2007	230-4250	ZD 10021-0	x		DN100	DN200	DN25	250	kerosine		500	132.000	ORLEN Plock, (Poland)
184	1599-03	2007	230-4250	ZD 10224-0	x		DN100	DN250	DN25	200	gasoline / diesel		500	132.000	Bayernoil Neustadt, (Germany)
185	1405-01	2007	230-4250	ZD 10073-0	x		DN100	DN200	DN25	250	gasoline / diesel		500	132.000	Shell - Ludwigshafen, (Germany)
186	1405-01	2007	230-4250	ZD 10073-0	x		DN100	DN200	DN25	250	gasoline / diesel		500	132.000	Shell - Ludwigshafen, (Germany)
187	1808-06	2007	200-4250	ZD10131.0	x		DN100	DN150	DN25	200	Pyrolyseoil (65°C)	x electr.	220	58.080	Primex DOW, (Germany)
188	1147-97	2007	200-4250	ZD 7800.0	x		ANSI 4"	ANSI 6"	ANSI 1"	200	Gasoline, Diesel, Kerosine				CONOCO, (Great Britain)
189	1619-06	2007	230-4700	ZD 10106-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		700	184.800	Orsk, (Russia)
190	1619-06	2007	230-4700	ZD 10106-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		700	184.800	Orsk, (Russia)
191	1619-06	2007	230-4700	ZD 10106-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		700	184.800	Orsk, (Russia)
192	1619-06	2007	230-4700	ZD 10106-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		700	184.800	Orsk, (Russia)
193	1619-06	2007	230-4700	ZD 10106-0	x		DN150	DN250	DN25	Plate	jet fuel		700	184.800	Orsk, (Russia)
194	1831-06	2007	200-4250	ZD 10221-0	x		DN100	DN200	DN25	250	gasoline / diesel		350	92.400	MOL Pecs, (Hungary)
195	1864-07	2008	230-4700	ZD 9333-0	x		DN150	DN250	DN25	Plate	Gaskondensate		750	198.000	NOVATEK, (Russia)
196	1864-07	2008	230-4700	ZD 9333-0	x		DN150	DN250	DN25	Plate	Gaskondensate		750	198.000	NOVATEK, (Russia)
197	1844-06	2008	230-3000	ZD 10353-0		x	-	DN250	DN25	-	Solid fuel (110°C)	x electr.	500	132.000	Bayernoil Neustadt, (Germany)
198	SUT1642-04E	2008	230 - 4200	ZD 10391-0	x		DN100	DN200	DN25	200	gasoline / diesel				Migrol, BASEL, (Switzerland)
199	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		730	192.720	KINEF Kirishi (Russia)
200	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		730	192.720	KINEF Kirishi (Russia)



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No.	Project no.	Year of delivery	Type	Drawing-no.	Gasrecovery		Connections DN			s. cushion height	Product	Heating	Filling speed m ³ /h	Filling speed USgal/h	Remarks
					yes	no	Gas	Product	Slop						
201	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		730	192.720	KINEF Kirishi (Russia)
202	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		730	192.720	KINEF Kirishi (Russia)
203	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	jet fuel		730	192.720	KINEF Kirishi (Russia)
204	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	jet fuel		730	192.720	KINEF Kirishi (Russia)
205	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	jet fuel		730	192.720	KINEF Kirishi (Russia)
206	1832-07	2009	230-4700	ZD 10350-0	x		DN150	DN250	DN25	Plate	jet fuel		730	192.720	KINEF Kirishi (Russia)
207	SUT 1937-08	2009	230-4250	ZD 10543.0	x		DN100	DN250	DN25	200	gasoline / diesel		500	132.000	Bayernoil Neustadt, (Germany)
208	SUT 1207-97	2009	230 - 4250	ZD 10687.0	x		DN 100	2 x DN 200	DN 25	300	gasoline		250	66.000	PETROM Pitesti, (Romania)
209	SUT 1471-01	2009	230-4700	ZD 10524.0	x		DN150	DN250	DN25	Plate	gasoline / diesel / Jet		600	158.400	Slavneft Janos, (Russia)
210	1911-07	2009	230-4250	ZD 10677.0	x		DN150	DN250	DN25	250	diesel		730	192.720	Grupa LOTOS Gdansk, (Poland)
211	1911-07	2009	230-4250	ZD 10677-0	x		DN150	DN250	DN25	250	diesel		730	192.720	Grupa LOTOS Gdansk, (Poland)
212	SUT 1915-08	2009	230-3000	ZD 10353.0		x	-	DN250	DN25	-	Solid Fuel (120°C)	x electr.	500	132.000	Bayernoil Neustadt (Germany)
213	SUT 1915-08	2009	230-4200	ZD 10552-0	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasoline / diesel		350	92.400	Bayernoil Vohburg Track 21 (Germany)
214	1952-09	2009	200-4200	ZD10696-0	x		DN 150	DN 200	DN 25	200	gasoline / diesel		400	105.600	BP Tankfarm Gelsenkirchen
215	SUT 1915-08E	2009	230-4200	ZD 11295-0	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasoline / diesel		350	92.400	Bayernoil Vohburg Track 22 (Germany)
216	SUT1359-00E	2009	230-4700	ZD 11661-0	x		ANSI 6"	ANSI 10"	-	Plate	gasoline / diesel		700	184.800	ORLEN Lituva track 226, (Lithuania)
217	SUT1880-07	2010	200-2300	ZD 11474.0	x		DN 100	DN 200	DN 25	Plate	Naftalen (200°C)	x	300	79.200	Unipetrol Litvinov track 238, (Czech Rep.)
218	SUT1967-09	2010	230-4250	ZA 11895.1	x		ANSI 6"	ANSI 6"	ANSI 1"	200	gasoline / diesel		350	92.400	PetroPlus Ingolstadt, 25 north, (Germany)
219	SUT1967-09/E02	2010	230-4250	ZA 11515.0	x		ANSI 6"	ANSI 6"	ANSI 1"	200	gasoline / diesel		350	92.400	GUNVOR Ingolstadt Gleis 21, Header 3
220	SUT1106-96E	2010	230-4250	ZD 11642.1	x		DN 100	DN200	DN 25	200	gasoline / diesel / Jet		420/600	154.400	Shell-Flörsheim track 7, (Germany)
221	SUT1918-08E	2010	230-4250	ZD 11684.0	x		ANSI 4"	ANSI 6"	Ansi 1"	200	gasoline / diesel		350	92.400	MIRO Karlsruhe track 17-18, (Germany)
222	SUT 1945-07	2012	230-4250	ZD 12197.2-3	x		DN150	DN250	DN25	250	gasoline		350	92.400	Grupa LOTOS Gdansk, (Poland)
223	SUT 1945-07	2012	230-4250	ZD 12197.2-3	x		DN150	DN250	DN25	250	gasoline		350	92.400	Grupa LOTOS Gdansk, (Poland)
224	SUT1918-08E08	2012	230-4250	ZD 12209.1	x		ANSI 4"	ANSI 6"	ANSI 1"	200	gasoline / diesel		350	92.400	MIRO-Karlsruhe, Gleis 9-10, E, (Germany)
225	1878-07	2013	230-4700	ZD 12236-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		730	192.720	Petrokasachstan, (Kazachstan)
226	1878-07	2013	230-4700	ZD 12236-0	x		DN150	DN250	DN25	Plate	gasoline / diesel		730	192.720	Petrokasachstan, (Kazachstan)
227	2059-10	2013	230-4700	ZD 12243-0	x		DN150	DN250	DN25	Plate	Gascondensate		730	192.720	NOVATEK, (Russia)
228	2059-10	2013	230-4700	ZD 12243-0	x		DN150	DN250	DN25	Plate	Gascondensate		730	192.720	NOVATEK, (Russia)
229	2059-10	2013	230-4700	ZD 12243-0	x		DN150	DN250	DN25	Plate	Gascondensate		730	192.720	NOVATEK, (Russia)
230	2059-10	2013	230-4700	ZD 12243-0	x		DN150	DN250	DN25	Plate	Gascondensate		730	192.720	NOVATEK, (Russia)
231	SUT1918-08	2013	230-4250	ZD 12394.1	x		ANSI 4"	ANSI 6"	Ansi 1"	200	gasoline / diesel		350	92.400	MIRO Karlsruhe track 17-18 E, (Germany)
232	SUT 1915-08	2013	230-4200	ZD 11295.1	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasoline / diesel		350	92.400	Bayernoil Vohburg Track 22 E, (Germany)
233	SUT 1915-08	2013	230-3000	ZD 10353.1-A		x	-	DN250	DN25	-	Solid Fuel (120°C)	x electr.	500	132.000	Bayernoil Neustadt, E, (Germany)
234	SUT1918-08E19	2013	230-4250	ZD 12407.1	x		DN150	DN150	G 1/2"	200	gasoline / diesel		350	92.400	MIRO Karlsruhe, (Germany)
235	2168-13	2013	230-4250	ZD 12535.0	x		ANSI 4"	ANSI 6"	Ansi 1"	250	gasoline / diesel / naphta		300	79.200	TanQuid Speyer, (Germany)
236	2168-13	2013	230-4250	ZD 12535.0	x		ANSI 4"	ANSI 6"	Ansi 1"	250	gasoline / diesel / naphta		300	79.200	TanQuid Speyer, (Germany)
237	SUT 728-91	2013	230-4250	ZD 12567.1	x		DN150	DN250	DN25	300	gasoline / diesel		480	126.720	TAU Tanklager Basel, (Switzerland)
238	2176-13	2013	230-4250	ZD 12197-1	x		DN150	DN250	DN25	250	light heating oil		360	95.040	Grupa LOTOS Gdansk, (Poland)
239	2176-13	2013	230-4250	ZD 12197-1	x		DN150	DN250	DN25	250	light heating oil		360	95.040	Grupa LOTOS Gdansk, (Poland)
240	2091-11	2014	230-4700	ZD 12591-1	x		DN150	DN250	DN25	Plate	diesel		750	198.000	Slavneft Janos, (Russia)



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					yes	no	Gas	Product	Slop						
241	2091-11	2014	230-4700	ZD 12591-1	x		DN150	DN250	DN25	Plate	diesel		750	198.000	Slavneft Janos, (Russia)
242	2091-11	2014	230-4700	ZD 12592-1	x		DN150	DN250	DN25	Plate	diesel		750	198.000	Slavneft Janos, (Russia)
243	2091-11	2014	230-4700	ZD 12592-1	x		DN150	DN250	DN25	Plate	diesel		750	198.000	Slavneft Janos, (Russia)
244	2091-11	2014	230-4700	ZD 12591-1	x		DN150	DN250	DN25	Plate	jet fuel		750	198.000	Slavneft Janos, (Russia)
245	2091-11	2014	230-4700	ZD 12591-1	x		DN150	DN250	DN25	Plate	jet fuel		750	198.000	Slavneft Janos, (Russia)
246	2091-11	2014	230-4700	ZD 12592-1	x		DN150	DN250	DN25	Plate	jet fuel		750	198.000	Slavneft Janos, (Russia)
247	2091-11	2014	230-4700	ZD 12592-1	x		DN150	DN250	DN25	Plate	jet fuel		750	198.000	Slavneft Janos, (Russia)
248	2099-11	2014	230-4700	ZD 12594-1	x		DN150	DN250	DN25	Plate	heavy heating oil (80°C)	x electr.	750	198.000	Slavneft Janos, (Russia)
249	2099-11	2014	230-4700	ZD 12595-1	x		DN150	DN250	DN25	Plate	heavy heating oil (80°C)	x electr.	750	198.000	Slavneft Janos, (Russia)
250	2099-11	2014	230-4700	ZD 12596-1	x		DN150	DN250	DN25	Plate	heavy heating oil (80°C)	x electr.	750	198.000	Slavneft Janos, (Russia)
251	2099-11	2014	230-4700	ZD 12597-1	x		DN150	DN250	DN25	Plate	heavy heating oil (80°C)	x electr.	750	198.000	Slavneft Janos, (Russia)
252	SUT1915-08/E39	2014	230-4200	ZD 12814 .1	x		ANSI 4"	ANSI 8"	ANSI 1"	200	gasoline / diesel		350	92.400	Bayernoil Vohburg, Gleis 21/22, E-Rohr
253	2141-12	2015	230-4250	ZD 13185-1	x		DN150	DN250	DN25	250	diesel / light heating oil		500	132.000	Shell-Wesseling, (Germany)
254	2141-12	2015	230-4250	ZD 13185-1	x		DN150	DN250	DN25	250	diesel / light heating oil		500	132.000	Shell-Wesseling, (Germany)
255	2063-11	2015	230-4700	ZD 13173-1	x		ANSI 6"	ANSI 10"	ANSI 1"	Plate	gasoline / diesel		730	192.720	KSS / ANPZ Atyrau, (Kazachstan)
256	2063-11	2015	230-4700	ZD 13173-1	x		ANSI 6"	ANSI 10"	ANSI 1"	Plate	gasoline / diesel		730	192.720	KSS / ANPZ Atyrau, (Kazachstan)
257	2063-11	2015	230-4700	ZD 13173-1	x		ANSI 6"	ANSI 10"	ANSI 1"	Plate	gasoline / diesel		730	192.720	KSS / ANPZ Atyrau, (Kazachstan)
258	2063-11	2015	230-4700	ZD 13173-1	x		ANSI 6"	ANSI 10"	ANSI 1"	Plate	gasoline / diesel		730	192.720	KSS / ANPZ Atyrau, (Kazachstan)
259	2063-11	2015	230-4700	ZD 13173-1	x		ANSI 6"	ANSI 10"	ANSI 1"	Plate	kerosine		730	192.720	KSS / ANPZ Atyrau, (Kazachstan)
260	2063-11	2015	230-4700	ZD 13173-1	x		ANSI 6"	ANSI 10"	ANSI 1"	Plate	kerosine		730	192.720	KSS / ANPZ Atyrau, (Kazachstan)
261	2197-14	2015	230-3000	ZD 13244-1	x		DN150	DN250	DN25	Plate	Vakuumddestilat / heavy heating oil (120°C)	x electr.	625	165.000	PKN ORLEN S.A Plock Polska - FT 1.1, PL
262	2197-14	2015	230-4250	ZD 13246-1	x		DN150	DN250	DN25	250	diesel /heating oil		500	132.000	PKN ORLEN S.A Plock Polska - FT 1.2, PL
263	2197-14	2015	230-3000	ZD 13245-1	x		DN150	DN250	DN25	Plate	Vakuumddestilat / heavy heating oil (120°C)	x electr.	625	165.000	PKN ORLEN S.A Plock Polska - FT 2.1, PL
264	2197-14	2015	230-4250	ZD 13247-1	x		DN150	DN250	DN25	250	diesel /heating oil		500	132.000	PKN ORLEN S.A Plock Polska - FT 2.2, PL
265	2197-14	2015	230-4250	ZD 13244-1	x		DN150	DN250	DN25	Plate	heavy heating oil(120°C)/crude oil	x electr.	625	165.000	PKN ORLEN S.A Plock Polska - FT 3.1, PL
266	2197-14	2015	230-4250	ZD 13246-1	x		DN150	DN250	DN25	250	diesel /heating oil		500	132.000	PKN ORLEN S.A Plock Polska - FT 3.2, PL
267	2197-14	2015	230-4250	ZD 13245-1	x		DN150	DN250	DN25	Plate	heavy heating oil(120°C)/crude oil	x electr.	625	165.000	PKN ORLEN S.A Plock Polska - FT 4.1, PL
268	2197-14	2015	230-4250	ZD 13247-1	x		DN150	DN250	DN25	250	diesel /heating oil		500	132.000	PKN ORLEN S.A Plock Polska - FT 4.2, PL
269	2197-14	2015	230-4250	ZD 13252-1	x		DN150	DN250	DN25	250	Transfery, Farbasol		200	52.800	PKN ORLEN S.A Plock Polska - FT 5.1, PL
270	2197-14	2015	230-4250	ZD 13252-1	x		DN150	DN250	DN25	250	gasoline		500	132.000	PKN ORLEN S.A Plock Polska - FT 5.2, PL
271	2197-14	2015	230-4250	ZD 13254-1	x		DN150	DN250	DN25	250	Transfery, Farbasol		200	52.800	PKN ORLEN S.A Plock Polska - FT 6.1, PL
272	2197-14	2015	230-4250	ZD 13254-1	x		DN150	DN250	DN25	250	gasoline		500	132.000	PKN ORLEN S.A Plock Polska - FT 6.2, PL
273	2197-14	2015	230-4250	ZD 13260-1	x		DN150	DN250	DN25	250	Benzol		500	132.000	PKN ORLEN S.A Plock Polska - FT 7.4, PL
274	2197-14	2015	230-4250	ZD 13261-1	x		DN150	DN250	DN25	250	kerosine		500	132.000	PKN ORLEN S.A Plock Polska - FT 8.4, PL
275	SUT1967-09/E17	2015	230-4250	ZD 13403.0	x		ANSI 6"	ANSI 6"	ANSI 1"	200	gasoline / diesel		350	92.400	GUNVOR Ingolstadt Track 21, Header 2, D
276	SUT2164-13	2015	230-4250	ZD 13409-1	x		DN100	DN200	DN25	250	gasoline / diesel / Heating oil		600	158.400	Slovnaft / Bratislava, Track 3, SK
277	SUT2164-13	2015	230-4250	ZD 13407-1	x		DN100	DN200	DN25	250	gasoline / diesel / Heating oil		600	158.400	Slovnaft / Bratislava, Track 5, SK
278	SUT1106-96/E20	2015	230-4250	ZD13485.0	x		DN 100	DN200	-	200	gasoline / diesel / kerosene		600	158.400	Shell-Flörsheim, Track 7, D



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No.	Project no.	Year of delivery	Type	Drawing-no.	Gasrecovery		Connections DN			s. cushion height	Product	Heating	Filling speed m ³ /h	Filling speed USgal/h	Remarks
					yes	no	Gas	Product	Slop						
279	SUT2164-13	2016	230-4250	ZD 13413-1	x		DN100	DN200	DN25	250	gasoline / diesel / Heating oil		600	158.400	Slovnaft / Bratislava, Track 4, SK
280	SUT1106-96/E21	2016	230-4250	ZD 11642-1	x		DN 100	DN200	-	200	gasoline / diesel / kerosene		600	158.400	Shell-Flörsheim, Track 7, D
281	2080-11	2016	230-4700	ZD 13595-1	x		DN150	DN250	G 1"	Plate	gasoline / diesel		730	192.720	Hatipoglu/TNGZ Turkmenbashi, TM
282	2080-12	2016	230-4700	ZD 13595-1	x		DN150	DN250	G 1"	Plate	gasoline / diesel		730	192.720	Hatipoglu/TNGZ Turkmenbashi, TM
283	2080-13	2016	230-4700	ZD 13595-1	x		DN150	DN250	G 1"	Plate	gasoline / diesel		730	192.720	Hatipoglu/TNGZ Turkmenbashi, TM
284	2080-14	2016	230-4700	ZD 13595-1	x		DN150	DN250	G 1"	Plate	gasoline / diesel		730	192.720	Hatipoglu/TNGZ Turkmenbashi, TM
285	2080-15	2016	230-4700	ZD 13595-1	x		DN150	DN250	G 1"	Plate	kerosine		730	192.720	Hatipoglu/TNGZ Turkmenbashi, TM
286	2080-16	2016	230-4700	ZD 13595-1	x		DN150	DN250	G 1"	Plate	kerosine		730	192.720	Hatipoglu/TNGZ Turkmenbashi, TM
287	SUT1952-09/E11	2016	200-4200	ZD 13928-1	x		DN 150	DN 200	DN 25	200	gasoline / diesel		400	105.600	Transtank tankfarm Gelsenkirchen (D)
288	SUT1967-09/E30	2016	230-4250	ZD 13768.1	x		ANSI 6"	ANSI 6"	ANSI 1"	200	gasoline / diesel		350	92.400	GUNVOR Gl. 21 Header 1 / Ingolstadt (D)
289	2303-16	2017	230-4800	ZD 14091-1	x		DN 150	DN 250	G 1"	Plate	Orthoxytol	x electr.	630	166.320	AO Gazpromneft-ONPZ Omsk (RF)
290	SUT1915-08/E44	2017	230-3000	ZD14075-1	x		DN150	DN250	DN25	-	Bitumen (160°C)	x electr.	500	132.000	Bayernoil Neustadt, Track 18C, Umbau (D)
291	SUT1915-08/E46	2017	230-3000	ZD14177.1	x		DN150	DN250	DN25	-	Bitumen (160°C)	x electr.	500	132.000	Bayernoil Neustadt, Track 18C, E-Rohr (D)
292	2197-14F02	2018	230-4250	ZD 14385-1	x		DN150	DN250	DN25	250	Paraksyslen	x electr.	500	132.000	PKN ORLEN S.A Plock Polska - FT 5.3
293	2197-14F02	2018	230-4250	ZD 14386-1	x		DN150	DN250	DN25	250	Benzol	x electr.	500	132.000	PKN ORLEN S.A Plock Polska - FT 6.3
294	SUT1915-08/E38	2018	230-4250	ZD 14929.0	x		ANSI 4"	ANSI 8"	ANSI 1"	250	diesel /heating oil		350	92.400	Bayernoil Vohburg track 23
295	SUT1915-08/E38	2018	230-4250	ZD 14932.0	x		ANSI 4"	ANSI 8"	ANSI 1"	250	diesel /heating oil		350	92.400	Bayernoil Vohburg track 24
296	SUT1915-08/E38	2018	230-3000	ZD 14933.0		x	ANSI 4"	ANSI 8"	ANSI 1"	-	heavy heating oil (150°C)	x electr.	350	92.400	Bayernoil Vohburg track 24
297															
298															
299															
300															
Total:					249	47	Sum:	296							