



TEST REPORT

Performed for: Miele
 IBR JN: 10222-M
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 68F, Relative Humidity 51%, Barometric Pressure 730 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-1
 Model: SEBO X4 S/N: V4076637 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	28	17	8	7	1	0	0
5	off	off	Downstream	11	3	7	1	1	0	0
5	off	off	Downstream	14	5	2	1	0	1	0
5	on	off	Downstream	668,252	480,468	112,968	50,832	24,052	40,516	18,452
5	on	off	Upstream	19	11	4	0	0	0	0
5	on	off	Downstream	710,204	510,172	119,228	52,524	25,188	40,296	16,804
5	on	off	Upstream	12	18	5	1	0	0	0
5	on	off	Downstream	687,632	489,520	112,156	49,540	23,364	39,424	18,292
5	on	off	Upstream	12	9	5	1	0	0	0
5	on	on	Upstream	8,217,690	5,452,320	907,020	250,590	59,070	30,150	1,440
5	on	on	Downstream	865,736	545,768	115,292	49,264	22,324	38,856	18,712
5	on	on	Upstream	7,777,860	4,908,420	842,820	206,490	52,650	27,060	960
5	on	on	Downstream	851,548	533,408	113,088	52,664	24,264	40,724	17,000
5	on	on	Upstream	7,926,210	5,145,120	865,890	227,970	55,110	27,360	1,110
5	on	on	Downstream	866,992	551,632	119,228	51,120	24,036	39,192	17,728
Total upstream				23,921,760	15,505,860	2,615,730	685,050	166,830	84,570	3,510
Total downstream				2,584,276	1,630,808	347,608	153,048	70,624	118,772	53,440
Net downstream				518,188	150,648	3,256	152	-1,980	-1,464	-108
Gross Efficiency				89.20	89.48	86.71	77.66	57.67	-40.44	-1422.51
Net Efficiency				97.83	99.03	99.88	99.98	>99.99	>99.99	>99.9

Notice: These data relate only to the samples tested. This report may be copied only in its entirety.
 pg 1/3 Performed By: DN Data Location: DN69

Reviewed By: _____
 Susan H Goldsmith, Director of Technical Services
 IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-M
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 68F, Relative Humidity 51%, Barometric Pressure 730 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-2

Model: SEBO X4 S/N: V4076637 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	17	12	8	4	3	2	2
5	off	off	Downstream	5	10	2	1	0	1	0
5	off	off	Downstream	12	9	3	2	2	2	0
5	on	off	Downstream	719,292	513,432	118,924	52,264	24,128	39,720	16,696
5	on	off	Upstream	8	7	2	0	0	0	0
5	on	off	Downstream	738,304	523,408	119,760	51,852	23,176	38,488	17,472
5	on	off	Upstream	1	6	4	1	1	0	0
5	on	off	Downstream	726,676	512,276	116,824	50,556	23,784	39,028	17,048
5	on	off	Upstream	3	8	0	1	1	0	0
5	on	on	Upstream	7,768,260	4,490,340	650,310	155,130	36,720	20,610	1,020
5	on	on	Downstream	855,956	529,168	116,212	51,108	23,164	35,368	16,932
5	on	on	Upstream	7,988,040	4,750,140	696,690	161,910	38,850	21,390	1,440
5	on	on	Downstream	874,584	548,332	126,316	52,828	24,108	35,712	17,360
5	on	on	Upstream	7,414,710	4,197,390	610,110	154,590	34,260	19,470	1,170
5	on	on	Downstream	885,472	559,168	122,548	51,328	22,552	36,688	16,360
			Total upstream	23,171,010	13,437,870	1,957,110	471,630	109,830	61,470	3,630
			Total downstream	2,616,012	1,636,668	365,076	155,264	69,824	107,768	50,652
			Net downstream	431,740	87,552	9,568	592	-1,264	-9,468	-564
			Gross Efficiency	88.71	87.82	81.35	67.08	36.43	-75.32	-1295.37
			Net Efficiency	98.14	99.35	99.51	99.87	>99.99	>99.99	>99.9

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pg 2/3

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IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
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Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 68F, Relative Humidity 51%, Barometric Pressure 730 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-3

Model: SEBO X4 S/N: V4076637 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	12	5	1	1	0	1	0
5	off	off	Downstream	22	11	3	2	4	1	2
5	off	off	Downstream	6	6	0	0	1	0	0
5	on	off	Downstream	751,432	530,508	122,048	51,356	22,812	38,480	17,648
5	on	off	Upstream	8	4	2	1	0	0	0
5	on	off	Downstream	718,156	510,500	117,076	51,004	23,488	38,760	18,380
5	on	off	Upstream	6	4	3	0	1	1	0
5	on	off	Downstream	755,332	541,952	123,628	51,388	23,064	37,264	16,304
5	on	off	Upstream	8	7	3	1	0	1	0
5	on	on	Upstream	6,965,310	3,623,970	359,220	90,390	19,680	11,430	510
5	on	on	Downstream	848,708	544,704	118,368	50,648	23,840	37,152	16,584
5	on	on	Upstream	7,231,620	3,717,870	327,900	108,960	25,500	12,870	300
5	on	on	Downstream	862,504	564,516	124,620	50,280	22,284	39,028	18,036
5	on	on	Upstream	7,130,010	3,572,880	310,080	127,590	28,740	16,020	660
5	on	on	Downstream	853,024	556,824	123,148	53,188	23,148	37,820	17,696
			Total upstream	21,326,940	10,914,720	997,200	326,940	73,920	40,320	1,470
			Total downstream	2,564,236	1,666,044	366,136	154,116	69,272	114,000	52,316
			Net downstream	339,316	83,084	3,384	368	-92	-504	-16
			Gross Efficiency	87.98	84.74	63.28	52.86	6.29	-182.74	-3458.91
			Net Efficiency	98.41	99.24	99.66	99.89	>99.99	>99.99	>99.9

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pg 3/3

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Data Location: DN69

Reviewed By:

Susan H Goldsmith, Director of Technical Services

IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453



TEST REPORT

Performed for: Miele
 IBR JN: 10222-N
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 71F, Relative Humidity 49%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCI Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-1

Model: SEBO X4 S/N: V4079992 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	3	3	3	0	0	0	0
5	off	off	Downstream	7	5	3	1	1	0	0
5	off	off	Downstream	4	1	0	0	1	0	0
5	on	off	Downstream	769,352	545,748	121,252	50,612	23,292	37,228	18,580
5	on	off	Upstream	4	6	1	0	0	1	0
5	on	off	Downstream	745,348	527,476	115,000	48,160	21,848	35,520	18,236
5	on	off	Upstream	4	6	5	0	1	0	0
5	on	off	Downstream	756,912	541,336	117,764	49,852	21,768	35,880	18,496
5	on	off	Upstream	6	4	0	3	0	0	0
5	on	on	Upstream	8,496,660	5,614,020	937,230	252,840	62,190	32,190	1,050
5	on	on	Downstream	863,388	576,500	121,464	49,016	21,736	36,484	18,668
5	on	on	Upstream	8,517,420	5,719,290	1,010,730	258,270	64,560	34,050	1,290
5	on	on	Downstream	850,096	574,612	122,400	51,484	22,736	35,424	18,096
5	on	on	Upstream	8,417,160	5,513,580	933,300	231,870	58,710	31,350	930
5	on	on	Downstream	855,040	578,000	120,860	48,560	21,488	36,044	18,448
Total upstream				25,431,240	16,846,890	2,881,260	742,980	185,460	97,590	3,270
Total downstream				2,568,524	1,729,112	364,724	149,060	65,960	107,952	55,212
Net downstream				296,912	114,552	10,708	436	-948	-676	-100
Gross Efficiency				89.90	89.74	87.34	79.94	64.43	-10.62	-1588.44
Net Efficiency				98.83	99.32	99.63	99.94	>99.99	>99.99	>99.9

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 Susan H Goldsmith, Director of Technical Services

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TEST REPORT

Performed for: Miele
 IBR JN: 10222-N
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 71F, Relative Humidity 49%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCI Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-2

Model: SEBO X4 S/N: V4079992 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	11	5	0	0	0	0	0
5	off	off	Downstream	17	8	5	4	0	1	0
5	off	off	Downstream	1	3	0	0	0	1	0
5	on	off	Downstream	755,760	539,080	117,840	49,644	22,024	36,952	18,652
5	on	off	Upstream	2	0	0	1	2	0	0
5	on	off	Downstream	735,224	517,860	114,268	48,088	21,996	36,916	18,316
5	on	off	Upstream	5	2	3	0	0	0	0
5	on	off	Downstream	803,804	574,744	127,220	53,808	23,916	39,536	20,824
5	on	off	Upstream	2	3	1	1	0	1	0
5	on	on	Upstream	9,877,200	8,343,720	1,644,930	591,390	167,520	75,690	3,840
5	on	on	Downstream	875,652	584,144	126,272	52,180	23,136	37,812	18,860
5	on	on	Upstream	9,817,890	7,581,180	1,528,080	455,160	119,790	62,430	2,310
5	on	on	Downstream	839,136	549,804	118,744	49,300	21,532	37,480	19,452
5	on	on	Upstream	9,960,330	8,016,720	1,686,210	518,130	137,220	71,340	2,670
5	on	on	Downstream	849,384	565,720	122,164	51,536	22,884	37,192	18,696
Total upstream				29,655,420	23,941,620	4,859,220	#####	424,530	209,460	8,820
Total downstream				2,564,172	1,699,668	367,180	153,016	67,552	112,484	57,008
Net downstream				269,384	67,984	7,852	1,476	-384	-920	-784
Gross Efficiency				91.35	92.90	92.44	90.22	84.09	46.30	-546.35
Net Efficiency				99.09	99.72	99.84	99.91	>99.99	>99.99	>99.9

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 IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-N
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 71F, Relative Humidity 49%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCI Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-3

Model: SEBO X4 S/N: V4079992 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	9	3	3	1	0	0	0
5	off	off	Downstream	4	4	1	0	0	0	0
5	off	off	Downstream	4	6	3	0	1	0	0
5	on	off	Downstream	755,120	534,608	117,360	48,740	21,712	36,556	18,168
5	on	off	Upstream	2	1	1	0	0	0	0
5	on	off	Downstream	742,404	525,876	116,660	49,864	22,916	38,956	19,152
5	on	off	Upstream	5	2	2	1	0	0	0
5	on	off	Downstream	746,816	531,056	117,428	49,444	22,664	36,972	18,836
5	on	off	Upstream	7	5	1	1	1	0	0
5	on	on	Upstream	9,248,730	6,612,540	1,196,160	333,540	85,890	44,820	1,770
5	on	on	Downstream	840,084	550,528	118,132	48,800	21,796	37,108	18,904
5	on	on	Upstream	9,252,180	6,818,790	1,206,780	349,170	88,050	51,810	1,500
5	on	on	Downstream	846,072	556,328	119,800	49,304	22,696	36,860	19,136
5	on	on	Upstream	8,996,520	6,318,630	1,105,320	308,040	75,780	39,900	1,560
5	on	on	Downstream	835,564	544,888	118,596	48,744	21,956	37,844	18,076
Total upstream				27,497,430	19,749,960	3,508,260	990,750	249,720	136,530	4,830
Total downstream				2,521,720	1,651,744	356,528	146,848	66,448	111,812	56,116
Net downstream				277,380	60,204	5,080	-1,200	-844	-672	-40
Gross Efficiency				90.83	91.64	89.84	85.18	73.39	18.10	-1061.82
Net Efficiency				98.99	99.70	99.86	>99.99	>99.99	>99.99	>99.9

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 Susan H Goldsmith, Director of Technical Services
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TEST REPORT

Performed for: Miele
 IBR JN: 10222-O
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 70F, Relative Humidity 50%, Barometric Pressure 732 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCI Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-1

Model: SEBO X4 S/N: V4076636 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	8	8	3	1	2	1	0
5	off	off	Downstream	15	5	1	2	0	0	0
5	off	off	Downstream	12	2	3	0	1	1	0
5	on	off	Downstream	611,480	450,052	102,660	44,720	20,912	32,528	13,340
5	on	off	Upstream	0	4	2	0	0	0	0
5	on	off	Downstream	619,520	457,720	105,812	44,892	20,872	31,340	13,176
5	on	off	Upstream	14	6	2	3	0	0	0
5	on	off	Downstream	596,868	449,320	104,716	43,568	21,276	32,052	13,204
5	on	off	Upstream	9	5	1	1	0	1	0
5	on	on	Upstream	7,541,820	6,714,810	1,384,560	434,160	117,270	65,850	2,730
5	on	on	Downstream	618,056	498,064	106,568	45,868	20,924	31,668	13,420
5	on	on	Upstream	6,976,080	5,890,470	1,183,290	336,570	92,040	52,320	1,710
5	on	on	Downstream	765,744	478,924	113,432	44,604	21,128	32,368	12,856
5	on	on	Upstream	7,260,120	6,336,090	1,259,700	385,620	104,820	56,580	1,620
5	on	on	Downstream	661,280	491,436	110,840	45,716	21,064	31,364	13,324
Total upstream				21,778,020	18,941,370	3,827,550	1,156,350	314,130	174,750	6,060
Total downstream				2,045,080	1,468,424	330,840	136,188	63,116	95,400	39,600
Net downstream				217,212	111,332	17,652	3,008	56	-520	-120
Gross Efficiency				90.61	92.25	91.36	88.22	79.91	45.41	-553.47
Net Efficiency				99.00	99.41	99.54	99.74	99.98	>99.99	>99.9

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 IBR JN: 10222-O
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 70F, Relative Humidity 50%, Barometric Pressure 732 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-2

Model: SEBO X4 S/N: V4076636 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	2	2	2	0	0	0	0
5	off	off	Downstream	29	16	6	7	2	1	0
5	off	off	Downstream	3	3	1	2	0	2	0
5	on	off	Downstream	675,716	488,532	110,004	48,112	23,472	38,264	16,052
5	on	off	Upstream	4	1	0	3	0	0	0
5	on	off	Downstream	724,120	499,628	112,712	50,164	23,616	40,184	16,316
5	on	off	Upstream	6	3	2	0	0	1	0
5	on	off	Downstream	648,612	458,412	108,444	47,796	22,780	35,856	15,672
5	on	off	Upstream	4	2	1	1	0	0	0
5	on	on	Upstream	7,819,980	7,691,850	1,563,180	578,730	198,240	77,700	4,410
5	on	on	Downstream	755,556	496,124	112,660	49,412	21,084	34,992	15,244
5	on	on	Upstream	7,760,820	7,374,930	1,538,070	520,680	136,410	73,350	2,190
5	on	on	Downstream	742,120	511,224	110,344	48,888	21,336	33,644	16,040
5	on	on	Upstream	7,898,670	7,568,430	1,574,640	569,460	164,790	78,900	3,390
5	on	on	Downstream	753,388	506,824	115,144	48,620	20,788	35,132	15,852
Total upstream				23,479,470	22,635,210	4,675,890	1,668,870	499,440	229,950	9,990
Total downstream				2,251,064	1,514,172	338,148	146,920	63,208	103,768	47,136
Net downstream				202,616	67,600	6,988	848	-6,660	-10,536	-904
Gross Efficiency				90.41	93.31	92.77	91.20	87.34	54.87	-371.83
Net Efficiency				99.14	99.70	99.85	99.95	>99.99	>99.99	>99.9

Notice: These data relate only to the samples tested. This report may be copied only in its entirety.
 pg 2/3 Performed By: DN Data Location: DN69

Reviewed By: _____
 Susan H Goldsmith, Director of Technical Services
 IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-O
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 54 SCFM Sheath Air Flow Rate: 162 SCFM
 Conditions: Temp. 70F, Relative Humidity 50%, Barometric Pressure 732 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Sebo Automatic X4 Upright Vacuum Cleaner TEST-3

Model: SEBO X4 S/N: V4076636 Filters: As installed by manufacturer
 Date Samples Received: February 6, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	14	6	3	0	0	1	0
5	off	off	Downstream	4	2	1	0	2	0	0
5	off	off	Downstream	12	2	4	0	1	0	0
5	on	off	Downstream	611,068	452,004	104,280	45,620	20,780	32,704	13,244
5	on	off	Upstream	5	2	5	1	0	1	0
5	on	off	Downstream	615,108	455,160	103,876	44,204	20,312	31,220	12,960
5	on	off	Upstream	4	2	1	1	0	0	0
5	on	off	Downstream	611,812	452,568	104,860	45,036	20,500	32,180	13,804
5	on	off	Upstream	6	3	3	2	0	1	0
5	on	on	Upstream	6,583,410	5,281,770	947,790	284,850	73,200	42,060	1,350
5	on	on	Downstream	707,952	482,904	107,436	45,688	19,920	31,984	13,276
5	on	on	Upstream	6,450,270	5,149,200	935,820	273,180	70,620	39,360	1,500
5	on	on	Downstream	695,196	476,724	111,416	46,136	20,956	32,460	13,140
5	on	on	Upstream	6,588,180	5,218,320	942,930	287,760	72,900	41,850	1,260
5	on	on	Downstream	706,836	502,660	108,276	45,184	20,816	31,132	13,404
Total upstream				19,621,860	15,649,290	2,826,540	845,790	216,720	123,270	4,110
Total downstream				2,109,984	1,462,288	327,128	137,008	61,692	95,576	39,820
Net downstream				271,996	102,556	14,112	2,148	100	-528	-188
Gross Efficiency				89.25	90.66	88.43	83.80	71.53	22.47	-868.86
Net Efficiency				98.61	99.34	99.50	99.75	99.95	>99.99	>99.9

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 pg 3/3 Performed By: DN Data Location: DN69

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