

GF-5 FTP FUEL ECONOMY PROGRAM

START DATE	OIL	UNIT NO.	
	Z	BASELINE OIL	10W30
	F	FLUSH OIL	10W30
	A		5W20
	B		5W20
	C		5W20
	D		5W30
	E		10W30
	G		5W30
	H		5W30
	I		5W30
	J		0W20
	K		5W20

LAST UPDATE: 9/18/07



SAMPLE DATE	SAMPLE RECEIVED	SAMPLE APPROVED	OIL	UNIT NO.
11/16/05	11/16/05	12/19/05	Z	BASELINE
11/16/05	11/16/05	12/19/05	F	FLUSH
10/16/05	11/16/05	12/19/05	A	NEW
10/17/05	11/16/05	12/19/05	A	25Z13519
11/9/05	12/7/05	1/9/06	A	25Z13519
3/8/06	3/27/06	4/19/06	A	25Z13519
3/20/06	3/28/06	4/19/06	A	25Z13519
4/11/06	5/8/06	5/30/06	A	25Z13519
12/9/05	12/21/05	2/1/06	A	45W10679
1/24/06	3/6/06	3/16/06	A	45W10679
2/22/06	3/6/06	12/26/06	A	45W10679
3/8/06	3/27/06	4/19/06	A	45W10679
3/28/06	4/10/06	4/26/06	A	45W10679
4/19/06	5/8/06	5/30/06	A	45W10679
10/28/05	11/16/05	12/19/05	A	55851392
12/20/05	1/11/06	2/1/06	A	55851392
11/10/05	12/7/05	1/9/06	A	64K049
11/16/05	11/16/05	12/19/05	A	64K049
2/19/07	3/2/07	3/28/07	A	NISSAN
10/28/05	12/7/05	1/9/06	A	XESR5095
12/19/05	1/11/06	2/1/06	A	XESR5095

11/16/05	11/16/05	12/19/05	B	NEW
8/16/06	8/24/06	9/12/06	B	25Z13519
8/26/06	9/5/06	10/4/06	B	25Z13519
9/25/06	10/19/06	11/10/06	B	25Z13519
9/20/06	9/28/06	10/13/06	B	45W10679
10/9/06	10/19/06	11/10/06	B	45W10679
11/22/06	12/4/06	2/5/07	B	45W10679
5/23/06	6/20/06	7/24/06	B FRESH	55851392
6/8/06	6/20/06	7/24/06	B	55851392
8/24/06	9/5/06	9/25/06	B	55851392
4/13/06	5/8/06	5/30/06	B	XESR5095
5/2/06	5/17/06	6/1/06	B	XESR5095
6/6/06	6/20/06	7/24/06	B	XESR5095

11/16/05	11/16/05	12/19/05	C	NEW
11/22/05	12/21/05	2/1/06	C	25Z13519
12/15/05	1/11/06	2/1/06	C	25Z13519
1/18/06	1/27/06	2/27/06	C	25Z13519
4/25/06	5/8/06	5/30/06	C	25Z13519
5/16/06	5/26/06	6/16/06	C	25Z13519
6/5/06	6/20/06	7/24/06	C	25Z13519
4/30/07	5/21/07	8/24/07	C	25ZP4427
5/14/07	6/5/07	9/12/07	C	25ZP4427
6/4/07	6/11/07	8/15/07	C	25ZP4427
6/7/06	6/22/06	7/24/06	C FRESH	45W10679
6/23/06	7/24/06	9/6/06	C	45W10679
7/24/06	8/8/06	9/6/06	C	45W10679
4/23/07	5/4/07	8/15/07	C	45WP4046
5/7/07	5/23/07	9/5/07	C	45WP4046
5/29/07	6/5/07	7/27/07	C	45WP4046
1/23/06	3/6/06	3/16/06	C	55851392
2/6/06	3/6/06	3/16/06	C	55851392
2/27/06	3/6/06	3/16/06	C	55851392
2/19/07	3/2/07	3/28/07	C	NISSAN
1/4/06	1/27/06	2/27/06	C	XESR5095
1/30/06	3/6/06	3/16/06	C	XESR5095
2/14/06	3/6/06	3/16/06	C	XESR5095

11/16/05	11/16/05	12/19/05	Z	NEW
1/25/06	3/6/06	3/16/06	D	25Z13519
2/6/06	3/6/06	3/16/06	D	25Z13519
2/24/06	3/6/06	3/16/06	D	25Z13519
6/20/06	7/24/06	9/6/06	D	25Z13519
7/10/06	7/24/06	9/6/06	D	25Z13519
7/31/06	8/8/06	9/6/06	D	25Z13519
8/8/06	8/15/06	9/6/06	D	45W10679
8/21/06	9/5/06	9/25/06	D	45W10679
9/11/06	9/20/06	10/4/06	D	45W10679
2/27/06	3/6/06	3/16/06	D	55851392
3/9/06	3/27/06	4/19/06	D	55851392
3/29/06	4/10/06	4/26/06	D	55851392
4/26/06	5/8/06	5/30/06	D	55851392
2/27/06	3/6/06	3/16/06	D	XESR5095
3/13/06	3/28/06	4/19/06	D	XESR5095
3/28/06	4/10/06	4/26/06	D	XESR5095

11/16/05	11/16/05	12/19/05	1/0/00	NEW
2/21/07	3/7/07	3/30/07	E	25Z13519
3/19/07	5/4/07	8/27/07	E	25Z13519
4/2/07	5/4/07		E	25Z13519
4/23/07	5/14/07	8/29/07	E	25Z13519
2/21/07	3/7/07	3/28/07	E	25ZP4427
3/27/07	5/4/07		E	25ZP4427
2/24/07	3/7/07	3/28/07	E	45W10679
2/28/07	3/7/07	3/28/07	E	45W10679
3/23/07	5/4/07	8/17/07	E	45W10679
5/2/07	5/21/07	8/16/07	E	45W10679
2/20/07	3/7/07	3/28/07	E	45WP4046
			E	45WP4046
			E	45WP4046

11/16/05	11/16/05	12/19/05	1/0/00	NEW
10/3/06	10/19/06	11/10/06	G	25Z13519
10/19/06	11/14/06	12/13/06	G	25Z13519

11/20/06	12/4/06	1/31/07	G	25Z13519
4/10/06	5/8/06	5/30/06	G	25ZP4427
5/31/06	6/20/06	7/24/06	G	25ZP4427
6/16/06	6/22/06	7/24/06	G	25ZP4427
3/28/06	4/10/06		G	45WP4046
4/18/06	5/8/06	5/30/06	G	45WP4046
5/17/06	5/26/06	6/16/06	G	45WP4046
6/28/06	7/24/06	9/6/06	G	XESR5095
8/16/06	8/24/06	10/4/06	G	XESR5095
9/12/06	9/20/06	10/4/06	G	XESR5095

11/16/05	11/16/05	12/19/05	1/0/00	NEW
9/19/06	9/28/06	10/13/06	H	25ZP4427
10/6/06	10/19/06	11/10/06	H	25ZP4427
8/9/06	8/24/06	9/12/06	H	45WP4046
8/28/06	9/5/06	10/4/06	H	45WP4046
9/25/06	10/19/06	11/10/06	H	45WP4046
5/2/07	5/21/07	8/31/07	H	XESR5095
5/21/07	6/5/07	8/22/07	H	XESR5095
6/8/07	6/19/07	8/14/07	H	XESR5095

11/22/05	12/7/05	1/9/06	I	NEW
12/13/06	1/3/07	2/20/07	I	25Z13519
1/9/07	2/1/07	2/20/07	I	25Z13519
1/29/07	2/9/07	2/22/07	I	25Z13519
6/28/06	7/24/06	9/6/06	I	25ZP4427
7/24/06	8/8/06	9/6/06	I	25ZP4427
8/14/06	8/24/06	9/12/06	I	25ZP4427
5/14/07	6/5/07	8/24/07	I	45W10679
6/4/07	6/11/07	8/23/07	I	45W10679
6/22/07	8/6/07	8/19/07	I	45W10679
6/1/06	6/20/06	7/24/06	I FRESH	45WP4046
6/23/06	7/24/06	9/6/06	I	45WP4046
7/28/06	8/8/06	9/6/06	I	45WP4046
10/4/06	10/19/06	11/10/06	I	XESR5095
10/27/06	11/14/06	12/14/06	I	XESR5095
11/22/06	12/4/06	2/5/07	I	XESR5095

12/6/05	12/21/05	2/1/06	J	NEW
10/17/06	11/14/06		J	25Z94427
11/14/06	12/4/06	7/17/07	J	25ZP4427
12/11/06	1/3/07	2/20/07	J	25ZP4427
12/5/06	1/3/07	5/26/07	J	45W10679
1/2/07	2/1/07	2/20/07	J	45W10679
1/30/07	3/7/07	3/30/07	J	45W10679
10/3/06	10/19/06	11/10/06	J	45WP4046
10/23/06	11/14/06	12/19/06	J	45WP4046
11/22/06	12/4/06	2/5/07	J	45WP4046
2/19/07	3/2/07	3/28/07	J	NISSAN
12/21/06	2/1/07	2/20/07	J	XESR5095
1/17/07	2/1/07	2/20/07	J	XESR5095
2/21/07	3/7/07	3/28/07	J	XESR5095

12/6/05	12/21/05	2/1/06	K	NEW
12/19/06	1/3/07	2/20/07	K	25ZP4427
1/12/07	2/1/07	2/20/07	K	25ZP4427
12/11/06	1/3/07	2/20/07	K	45WP4046
1/22/07	2/1/07	2/20/07	K	45WP4046
6/19/07	8/6/07	9/13/07	K	XESR5095
7/13/07	8/6/07	9/13/07	K	XESR5095
8/3/07	9/6/07	9/12/07	K	XESR5095

11/22/05	12/7/05	1/9/06	Z	25Z13519
3/8/07	3/22/07	8/13/07	Z	25Z13519
12/8/05	12/7/05	1/9/06	Z	25Z135519
11/23/05	12/21/05	2/1/06	Z	45W10679
11/10/05	12/8/05	1/9/06	Z	64K04905
11/21/05	12/8/05	1/9/06	Z	64K04905
9/11/06	3/8/07	3/28/07	Z	BUICK-1-45W1067
9/19/06	3/9/07	3/30/07	Z	BUICK-1-45W1067
9/25/06	3/8/07	3/30/07	Z	BUICK-2-45WP404
10/2/06	3/9/07		Z	BUICK-2-45WP404
9/25/06	3/8/07	3/30/07	Z	G6-1-25Z13519
8/14/06	3/8/07	3/28/07	Z	G6-2-25ZP4427
8/21/06	3/9/07	3/28/07	Z	G6-2-25ZP4427
10/2/06	3/9/07		Z	G61-25Z13519
11/16/05	11/16/05	12/19/05	1/0/00	NEW
4/28/06	3/8/07	3/28/07	Z	SAAB-55851392
5/22/06	3/9/07	3/28/07	Z	SAAB-55851392

9/15/06	3/8/07	3/30/07	Z	SSR-XESR5095
10/4/06	3/9/07	3/30/07	Z	SSR-XESR5095
8/6/07	9/6/07	9/12/07	Z	XESR5095

motive Research

Vehicle I.D. Number	ODOMETER MILES	TOTAL MILES	SAMPLE MILES	SPL STA
	0		0	A
	0		0	A
	0		0	A
Pontiac G6-1 (Copper)	6946		2000	A
Pontiac G6-1 (Copper)	11620		6500	A
Pontiac G6-1 (Copper)	26122		0	A
Pontiac G6-1 (Copper)	28285		2000	A
Pontiac G6-1 (Copper)	32960		6500	A
Buick LaCrosse-1 (Light Blue)	4478		0	A
Buick LaCrosse-1 (Light Blue)	6635		2000	A
Buick LaCrosse-1 (Light Blue)	11435		6500	A
Buick LaCrosse-1 (Light Blue)	11671		0	A
Buick LaCrosse-1 (Light Blue)	13922		2000	A
Buick LaCrosse-1 (Light Blue)	18592		6500	A
Saab Aero 9-5 (Grey)	6642		2000	A
Saab Aero 9-5 (Grey)	11325		6500	A
Cadillac DHS (White)	14675		6500	A
Cadillac DHS (White)	9994		2000	A
	NOT GIVEN		6500	A
Chevrolet SSR (Silver)	13068		2000	A
Chevrolet SSR (Silver)	17721		6500	A

	0	0	A
Pontiac G6-1 (Copper)	47389	0	A
Pontiac G6-1 (Copper)	49553	2000	A
Pontiac G6-1 (Copper)	54230	6500	A
Buick LaCrosse-1 (Light Blue)	32974	0	A
Buick LaCrosse-1 (Light Blue)	35131	2000	A
Buick LaCrosse-1 (Light Blue)	39833	6500	A
Saab Aero 9-5 (Grey)	0	0	A
Saab Aero 9-5 (Grey)	28144	2000	A
Saab Aero 9-5 (Grey)	32830	6500	A
Chevrolet SSR (Silver)	32093	0	A
Chevrolet SSR (Silver)	34255	2000	A
Chevrolet SSR (Silver)	39005	6500	A
	0	0	A
Pontiac G6-1 (Copper)	11864	0	A
Pontiac G6-1 (Copper)	14068	2000	A
Pontiac G6-1 (Copper)	18748	6500	A
Pontiac G6-1 (Copper)	33216	0	A
Pontiac G6-1 (Copper)	35381	2000	A
Pontiac G6-1 (Copper)	40057	6500	A
Pontiac G6-2 (Black)	55491	0	A
Pontiac G6-2 (Black)	57654	2000	A
Pontiac G6-2 (Black)	62333	6500	A
Buick LaCrosse-1 (Light Blue)	18867	0	A
Buick LaCrosse-1 (Light Blue)	21021	2000	A
Buick LaCrosse-1 (Light Blue)	25694	6500	A
Buick LaCrosse-2 (Burgundy)	50189	0	A
Buick LaCrosse-2 (Burgundy)	52345	2000	A
Buick LaCrosse-2 (Burgundy)	57016	6500	A
Saab Aero 9-5 (Grey)	0	0	A
Saab Aero 9-5 (Grey)	13834	2000	A
Saab Aero 9-5 (Grey)	18522	6500	A
	NOT GIVEN	6500	A
Chevrolet SSR (Silver)	17936	0	A
Chevrolet SSR (Silver)	20103	2000	A
Chevrolet SSR (Silver)	24776	6500	A

	0	0	A
Pontiac G6-1 (Copper)	0	0	A
Pontiac G6-1 (Copper)	21204	2000	A
Pontiac G6-1 (Copper)	25878	6500	A
Pontiac G6-1 (Copper)	40301	0	A
Pontiac G6-1 (Copper)	42466	2000	A
Pontiac G6-1 (Copper)	47141	6500	A
Buick LaCrosse-1 (Light Blue)	25937	0	A
Buick LaCrosse-1 (Light Blue)	28097	2000	A
Buick LaCrosse-1 (Light Blue)	32768	6500	A
Saab Aero 9-5 (Grey)	0	0	A
Saab Aero 9-5 (Grey)	18800	0	A
Saab Aero 9-5 (Grey)	20969	2000	A
Saab Aero 9-5 (Grey)	25645	6500	A
Chevrolet SSR (Silver)	0	0	A
Chevrolet SSR (Silver)	27182	2000	A
Chevrolet SSR (Silver)	31852	6500	A

	0	0	A
Pontiac G6-1 (Copper)	68770	0	A
Pontiac G6-1 (Copper)	71165	0	A
Pontiac G6-1 (Copper)	73328	2000	P
Pontiac G6-1 (Copper)	78005	6500	A
Pontiac G6-2 (Black)	48443	0	A
Pontiac G6-2 (Black)	50606	2000	P
Buick LaCrosse-1 (Light Blue)	47046	0	A
Buick LaCrosse-1 (Light Blue)	47093	0	A
Buick LaCrosse-1 (Light Blue)	49250	2000	A
Buick LaCrosse-1 (Light Blue)	53952	6500	A
Buick LaCrosse-2 (Burgundy)	43094	0	A
Buick LaCrosse-2 (Burgundy)	45254	2000	
Buick LaCrosse-2 (Burgundy)	49922	6500	
	0	0	A
Pontiac G6-1 (Copper)	54441	0	A
Pontiac G6-1 (Copper)	56571	2000	A

Pontiac G6-1 (Copper)	61281	6500	A
Pontiac G6-2 (Black)	13164	0	A
Pontiac G6-2 (Black)	15364	2000	A
Pontiac G6-2 (Black)	20033	6500	A
Buick LaCrosse-2 (Burgundy)	7995	0	P
Buick LaCrosse-2 (Burgundy)	10154	2000	A
Buick LaCrosse-2 (Burgundy)	14822	6500	A
Chevrolet SSR (Silver)	39247	0	A
Chevrolet SSR (Silver)	41410	2000	A
Chevrolet SSR (Silver)	46155	6500	A
	0	0	A
Pontiac G6-2 (Black)	29449	2000	A
Pontiac G6-2 (Black)	34112	6500	A
Buick LaCrosse-2 (Burgundy)	22151	0	A
Buick LaCrosse-2 (Burgundy)	24307	2000	A
Buick LaCrosse-2 (Burgundy)	28980	6500	A
Chevrolet SSR (Silver)	67671	0	A
Chevrolet SSR (Silver)	69833	2000	A
Chevrolet SSR (Silver)	74508	6500	A
	0	0	A
Pontiac G6-1 (Copper)	61558	0	A
Pontiac G6-1 (Copper)	63719	2000	A
Pontiac G6-1 (Copper)	68393	6500	A
Pontiac G6-2 (Black)	20277	0	A
Pontiac G6-2 (Black)	22443	2000	A
Pontiac G6-2 (Black)	27120	6500	A
Buick LaCrosse-1 (Light Blue)	54198	0	A
Buick LaCrosse-1 (Light Blue)	56357	2000	A
Buick LaCrosse-1 (Light Blue)	61017	6500	A
Buick LaCrosse-2 (Burgundy)	0	0	A
Buick LaCrosse-2 (Burgundy)	17236	2000	A
Buick LaCrosse-2 (Burgundy)	21908	6500	A
Chevrolet SSR (Silver)	46433	0	A
Chevrolet SSR (Silver)	48593	2000	A
Chevrolet SSR (Silver)	53274	6500	A

	0	0	A
	34358	0	P
Pontiac G6-2 (Black)	36520	2000	A
Pontiac G6-2 (Black)	41198	6500	A
Buick LaCrosse-1 (Light Blue)	400072	0	A
Buick LaCrosse-1 (Light Blue)	42229	2000	A
Buick LaCrosse-1 (Light Blue)	46888	6500	A
Buick LaCrosse-2 (Burgundy)	29185	0	A
Buick LaCrosse-2 (Burgundy)	31344	2000	A
Buick LaCrosse-2 (Burgundy)	36012	6500	A
	NOT GIVEN	6500	A
Chevrolet SSR (Silver)	0	0	A
Chevrolet SSR (Silver)	55706	2000	A
Chevrolet SSR (Silver)	60360	6500	A

	0	0	A
Pontiac G6-2 (Black)	41405	0	A
Pontiac G6-2 (Black)	43570	2000	A
Buick LaCrosse-2 (Burgundy)	36255	0	A
Buick LaCrosse-2 (Burgundy)	38412	2000	A
Chevrolet SSR (Silver)	74750	0	A
Chevrolet SSR (Silver)	76911	2000	A
Chevrolet SSR (Silver)	81585	6500	A

Pontiac G6-1 (Copper)	11829	6500	A
Pontiac G6-1 (Copper)	70937	0	A
Pontiac G6-1 (Copper)	11655	0	A
Buick LaCrosse-1 (Light Blue)	4266	0	A
Cadillac DHS (White)	14709	0	A
Cadillac DHS (White)	14868	6500	A
Buick LaCrosse-1 (Light Blue)	32802	0	A
Buick LaCrosse-1 (Light Blue)	32938	200	A
Buick LaCrosse-2 (Burgundy)	29014	0	A
Buick LaCrosse-2 (Burgundy)	29150	200	P
Pontiac G6-1 (Copper)	54266	0	A
Pontiac G6-2 (Black)	27155	0	A
Pontiac G6-2 (Black)	27298	200	A
Pontiac G6-1 (Copper)	54406	200	P
	0	0	A
Saab Aero 9-5 (Grey)	25682	0	A
Saab Aero 9-5 (Grey)	25934	200	A

Chevrolet SSR (silver)	46190	0	A
Chevrolet SSR (silver)	46386	200	A
Chevrolet SSR (silver)	81623	0	A

Labcode	MRV-40	MRY-40	CCS-35	MRV-35	MRY-35	CCS-30
5NO8717W1						
5NO8687W1						
5NO8637W1						5760
5NO8630WA						5880
5NO8638W1						
5NO8637WD						5260
5NO8630WE						6360
5NO8638WG						
5NO8637WC						5040
5NO8630WD						5380
5NO8638WE						5810
5NO8637WE						5880
5NO8630WF						5370
5NO8638WF						5990
5NO8630WB						
5NO8638WC						
5NO8638WA						6540
5NO8630W1						5400
5NO8638WH						
5NO8630WC						6040
5NO8638WD						

5NO8647W1	6360
5NO8647WB	5670
5NO8640WB	6060
5NO8648WB	
5NO8647WC	5870
HFRR RETEST DATA	
5NO8640WC	5690
5NO8648WC	
6JN9297W1	5550
5NO8640WA	
5NO8648WA	
5NO8647WA	5790
5NO8640W1	6100
5NO8648W1	

5NO8657W1	6000
5NO8657WA	6200
5NO8650W1	5740
5NO8658W1	
5NO8657WD	5750
5NO8650WC	6430
5NO8658WC	
5NO8657WG	5700
5NO8650WF	5590
5NO8658WG	
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5NO8657WF	6080
5NO8650WE	6599
5NO8658WF	
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5NO8658WA	
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5NO8660WD	5460
5NO8668WD	6030
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5NO8668WB	
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5NO8660WA	5740
5NO8668WA	

5NO8677W1	
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5NO8677WG	
5NO8670WA	
5NO8678WB	
5NO8677WB	
5NO8670WC	
5NO8677WC	
5NO8677WA	
5NO8670WD	
5NO8678WC	
5NO8677WE	
5NO8670WB	
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5NO8690WC	5250

5NO8698WC	6550
5NO8697WB	5960
5NO8690WA	5620
5NO8698WA	
5NO8697WA	5320
5NO8690W1	5220
5NO8698W1	6100
5NO8697WC	5505
5NO8690WB	5460
5NO8698WB	5900

5NO8707W1	5410
5NO8700WA	5640
HFRR RETEST DATA	
5NO8708W1	
5NO8707WA	5660
5NO8700W1	5560
5NO8708WA	6160
5NO8707WC	5540
5NO8700WB	5860
5NO8708WB	


5NO8637WB	6320
6JN9317WC	5380
6JN9310WC	
6JN9318WC	6130
6JN9317WA	5670
6JN9310WA	
6JN9318WA	
6JN9317WD	5730
6JN9310WD	5470
6JN9318WD	6260
6JN9317W1	
6JN9310W1	5420
6JN9318W1	6510
6JN9317WB	5720
6JN9310WB	5580
6JN9318WB	

5DC8617W1	5140	
5DC8617WB		3230
6DC0890W1	5560	
5DC8618W1		3750
5DC8617WC		4940
5DC8610WB	6190	
5DC8618WC	5830	
5DC8617WA		3530
5DC8610W1		2910
6DC0898W1	6070	
5DC8618WA	6160	
5DC8617WD		3510
5DC8610WA	6080	
5DC8618WB		3560

5DC8607W1		4050
5DC8607WB		3690
5DC8600WA		4170
5DC8607WA		3630
5DC8600W1		3640
5DC8607WC		3400
5DC8600WB		4150
5DC8608W1		5050

5NO8718W1
5NO8717WJ
5NO8717WA
5NO8717WC
5NO8717WB
5NO8638WB
5NO8717WG
5NO8718WD
5NO8717WF
5NO8718WC
5NO8717WE
5NO8717WH
5NO8718WE
5NO8718WB
5NO8717W1
5NO8717WI
5NO8718WF

5NO8717WD
5NO8718WA
5NO8717WK

A thick, solid yellow horizontal bar spans across the page, starting from the left edge and extending past the text '5NO8717WK'.

							D5185
MRV-30	MRY-30	CCS-25	MRV-25	MRY-25	CCS-20	CCS-15	AG
						6340	0
						7130	0
							0
							0
		6560					0
							0
		3160					0
							0
							0
							0
							0
							0
		3190					0
		3370					0
							0
							0
		4060					0
							0
		3110					0

	0
	0
	0
3220	0
	0
	0
3570	0
	0
3510	0
3570	0
	0
	0
3220	0
	0
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	0
3160	0
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	1
3020	0
	0
	0
3230	0
	0
	0
	0
	0
	0
	0
3920	0
	0
	0
3390	0
	0
	0
	0
	0
3460	0

3640

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3480

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3670

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5120

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3410

3400

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3180

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3480

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6060	0
6880	0
6170	0
5800	0
6540	0
6180	0
7020	0
6570	0
6980	0
6470	0
6760	0
7080	0
6680	0
6530	0
6340	0
7020	0
5840	0

6950	0
6500	0
6160	0



D5185	D5185	D5185	D5185	D5185	D5185	D5185	D5185	D5185	D5185
AL	B	BA	CA	CD	CR	CU	FE	K	MG
0	0	5	2094	0	0	0	1	0	4
2	0	1	11820	0	0	0	3	0	19
0	0	0	2120	0	0	0	1	0	4
1	0	0	2301	0	0	36	9	0	8
1	1	0	2237	0	0	39	13	1	8
0	0	0	2095	0	0	0	1	0	4
1	0	0	2095	0	0	9	5	0	4
1	0	0	2094	0	0	14	8	0	5
0	0	0	2150	0	0	0	1	0	4
2	0	0	2208	0	0	3	12	0	5
2	0	0	2092	0	1	6	26	0	6
0	0	0	2140	0	0	0	1	0	4
1	0	0	2125	0	0	1	9	0	4
2	0	0	2072	0	0	3	19	0	4
6	0	0	2157	0	0	3	8	0	16
7	4	0	2151	0	0	6	16	1	17
7	0	0	2183	1	1	139	19	0	7
5	0	0	2221	0	0	135	11	0	6
7	0	0	2459	0	0	4	9	0	5
1	0	0	2170	0	0	39	9	0	7
3	1	0	2170	0	1	48	17	1	8

0	0	0	2088	0	0	0	1	0	4
0	0	0	1973	0	0	0	1	0	3
1	0	0	2130	0	0	7	3	0	4
1	0	0	2204	0	0	11	8	0	4
0	0	0	2060	0	0	0	1	0	4
1	0	0	2299	0	0	1	5	0	15
2	0	0	2121	0	0	3	12	0	5
0	0	0	2091	0	0	0	0	0	4
1	0	0	2624	0	0	2	3	0	5
1	0	0	2632	0	0	4	8	0	5
1	0	0	2034	0	0	0	1	0	4
1	0	0	2086	0	0	14	3	0	4
1	0	0	2087	0	0	21	8	0	4

2	0	1	2085	0	0	0	1	0	3
3	0	0	2083	0	0	0	1	0	4
2	1	0	2143	0	0	20	7	0	4
2	0	0	2012	0	0	32	10	0	5
2	0	0	1914	0	0	0	1	0	4
3	0	0	2091	0	0	9	3	0	4
3	0	0	2228	0	0	15	5	0	4
2	0	0	2165	0	0	0	1	0	4
2	0	0	2183	0	0	13	3	0	4
3	0	0	2085	0	0	16	6	0	4
3	0	0	2091	0	0	0	1	0	4
2	0	0	2171	0	0	1	6	0	4
3	0	0	2075	0	0	3	15	0	4
2	0	0	2211	0	0	0	1	0	4
2	0	0	2212	0	0	1	2	0	4
3	0	0	2176	0	0	2	5	0	4
2	0	0	2128	0	0	0	1	0	4
4	0	0	2334	0	0	2	4	0	5
6	0	0	2193	0	0	6	13	0	5
6	0	0	2559	0	0	4	7	0	5
1	0	0	2021	0	0	0	1	0	3
3	0	0	2145	0	0	22	4	0	4
3	0	0	2119	0	0	30	9	0	5

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0	0	0	2161	0	0	0	1	0	4
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1	0	0	2175	0	0	18	8	0	4
0	0	0	2152	0	0	0	0	0	4
1	0	0	2161	0	0	7	4	0	4
1	0	0	2160	0	0	14	8	0	4
0	12	0	2094	0	0	0	1	0	3
1	0	0	2107	0	0	1	6	0	4
1	0	0	2070	0	0	3	14	0	4
0	0	0	2085	0	0	0	1	0	3
0	0	0	2112	0	0	0	1	0	4
2	0	0	2647	0	0	2	5	0	5
2	0	0	2577	0	0	5	9	1	5
0	0	0	2082	0	0	0	1	0	4
1	0	0	2107	0	0	14	3	0	4
1	0	0	2134	0	0	20	7	0	4

0	0	1	2101	0	0	0	1	0	3
0	0	0	2199	0	0	0	1	0	4
0	0	0	2095	0	0	0	1	0	4
1	0	0	2157	0	0	5	3	0	4
1	0	0	2159	0	0	8	5	0	4
0	0	0	2113	0	0	0	1	0	4
1	0	0	2091	0	0	17	3	0	4
0	0	0	2113	0	0	0	1	0	4
0	0	0	2207	0	0	0	1	0	4
1	0	0	2141	0	0	1	3	0	4
1	4	0	2192	0	0	2	7	0	5
0	0	0	2230	0	0	0	1	0	4
1	0	0	2182	0	0	8	3	0	4
1	0	0	2111	0	0	3	5	0	4
1	0	0	1875	0	0	0	1	0	7
1	0	0	1941	0	0	0	1	0	8
0	0	0	1982	0	0	7	5	0	7

1	0	0	1923	0	0	14	7	0	8
1	0	0	1830	0	0	0	1	0	7
1	0	0	1896	0	0	46	6	0	8
2	0	0	1856	0	0	47	11	0	8
1	0	0	1887	0	0	0	1	0	7
2	0	0	1880	0	0	4	7	1	8
2	0	0	1898	0	1	5	10	1	8
1	0	0	1911	0	0	0	0	0	8
1	0	0	1761	0	0	16	10	0	7
2	0	0	1856	0	0	31	15	0	8

1	0	0	1880	0	0	0	1	0	7
1	0	0	1845	0	0	30	3	0	7
1	0	0	1937	0	0	37	7	0	8
1	0	0	1783	0	0	0	1	0	7
1	0	0	1920	0	0	2	2	0	8
1	0	0	1937	0	0	3	5	0	8
1	0	0	1922	0	0	0	1	0	7
1	0	0	1895	0	0	12	4	0	7
2	0	0	1883	0	0	17	7	0	7

8	0	0	1870	0	0	0	1	0	7
5	0	0	1916	0	0	0	0	0	7
5	0	0	2069	0	0	11	2	0	8
7	0	0	1979	0	0	19	7	1	8
6	0	0	1954	0	0	0	0	0	7
7	0	0	1895	0	0	35	2	0	7
8	0	0	1752	0	0	42	10	0	7
5	0	0	1976	0	0	0	1	0	7
6	0	0	1897	0	0	1	2	0	7
5	0	0	1925	0	0	2	5	0	7
8	0	0	1884	0	0	0	0	0	7
6	0	0	1968	0	0	2	3	0	8
7	0	0	1853	0	0	4	6	0	7
6	0	0	1958	0	0	0	1	0	7
5	0	0	1900	0	0	14	2	0	7
7	0	0	1885	0	0	24	9	0	8

16	204	0	1974	0	0	0	1	0	19
8	191	0	1975	0	0	0	1	0	18
9	158	0	1952	0	0	25	4	0	17
8	149	0	2095	0	0	55	11	0	18
7	214	0	2085	0	0	0	1	0	18
7	183	0	2092	0	0	1	3	0	17
7	134	0	2105	0	0	4	8	0	17
8	167	0	2094	0	0	0	1	0	18
0	157	0	2105	0	0	1	4	0	18
10	111	0	2010	0	0	4	8	0	18
9	155	0	2399	0	0	5	7	0	19
8	227	0	2259	0	0	0	0	0	19
8	216	0	2341	0	0	12	3	0	19
8	138	0	2094	0	0	33	9	0	18

15	198	0	1912	0	0	0	1	0	18
7	218	0	2011	0	0	0	1	0	17
8	192	0	2127	0	0	27	4	0	18
7	218	0	2057	0	0	0	1	0	17
8	192	0	2111	0	0	1	3	0	17
6	193	0	2034	0	0	0	1	0	17
7	132	0	2036	0	0	13	5	0	18
17	62	0	1962	0	0	26	9	1	17

0	0	0	2073	0	0	4	2	0	4
0	0	0	2168	0	0	0	1	0	4
0	0	0	2066	0	0	0	1	0	4
1	0	0	2092	0	0	0	1	0	5
0	0	0	2069	0	0	0	1	0	4
1	0	0	2078	0	0	3	2	0	4
0	0	0	2171	0	0	0	1	0	4
0	0	0	2186	0	0	0	1	0	4
0	0	0	2168	0	0	0	1	0	4
0	0	0	2140	0	0	0	1	0	4
0	0	0	2119	0	0	0	1	0	4
0	0	0	2149	0	0	0	1	0	4
0	0	0	2120	0	0	4	1	0	4
0	0	0	2121	0	0	1	1	0	4
0	0	5	2094	0	0	0	1	0	4
0	0	0	2140	0	0	0	1	0	4
1	0	0	2309	0	0	1	2	0	4

0	0	0	2117	0	0	0	1	0	4
0	0	0	2098	0	0	2	2	0	4
0	0	0	2095	0	0	0	1	0	5

D5185 MN	D5185 MO	D5185 NA	D5185 NI	D5185 P	D5185 PB	D5185 S	D5185 SB	D5185 SI
2	0	0	0	497	0	1350	0	7
2	0	0	0	510	0	2710	0	21
0	0	0	0	505	0	1400	0	6
3	4	0	0	455	3	1380	0	26
4	4	4	1	434	5	1441	0	35
0	0	0	0	502	0	1440	1	6
1	1	0	0	471	1	1370	2	7
1	1	5	0	439	2	1027	1	10
0	1	1	0	490	1	1488	0	6
2	3	0	0	498	0	1449	1	13
2	5	0	0	458	0	1352	1	22
0	0	0	0	502	0	1450	1	6
1	1	0	0	485	0	1449	1	7
1	2	0	0	450	1	1153	1	11
3	4	0	0	484	1	1480	0	5
3	5	2	0	461	2	1374	0	7
4	1	2	0	454	14	1355	0	17
2	1	0	0	480	12	1500	1	11
1	1	2	0	508	6	1752	1	11
1	0	1	0	461	2	1424	0	10
1	1	1	0	444	4	1269	0	15

0	0	0	0	500	0	1470	0	7
0	0	0	0	472	0	1201	2	5
1	1	8	0	485	1	1250	2	7
1	2	3	0	474	2	1520	1	8
0	0	13	0	500	0	1670	3	7
1	2	4	0	530	1	1770	1	5
1	2	0	0	464	2	1355	1	10
0	0	0	0	511	0	1381	2	6
0	0	0	0	493	0	1375	1	4
1	1	6	0	462	2	1230	1	4
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0	0	0	0	478	0	1130	1	4
0	0	0	0	466	1	1282	1	6

0	187	0	0	501	0	1780	0	8
0	189	1	0	494	1	1812	0	8
1	183	0	0	471	1	1644	0	13
1	178	0	0	432	3	1495	1	21
0	154	0	0	598	0	2208	6	7
1	184	0	0	472	1	1363	2	11
0	192	0	0	486	1	1519	1	10
0	185	4	0	513	0	1970	1	7
0	179	5	0	482	1	1740	1	7
1	181	1	0	452	2	1620	1	7
0	192	0	0	516	0	1690	2	8
0	181	0	0	490	0	1426	1	6
1	178	6	0	469	0	1636	2	11
0	189	1	0	514	0	1880	2	8
0	181	2	0	489	0	1870	1	7
1	176	4	0	466	1	1720	0	9
0	188	0	0	504	0	1765	1	8
1	171	0	0	517	1	1688	1	5
1	158	0	0	462	2	1558	1	5
1	206	2	0	522	5	2079	1	11
0	181	0	0	492	0	1693	1	7
0	182	0	0	481	1	1662	1	7
0	176	0	0	449	1	1558	1	8

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0	0	0	0	512	0	1540	2	6
1	2	0	0	471	1	1421	1	8
1	3	0	0	454	2	1379	1	12
0	0	0	0	509	0	1359	2	6
0	2	0	0	474	0	1188	2	6
1	3	4	0	464	2	1410	2	11
0	0	0	0	497	1	1424	0	7
1	1	8	0	482	0	1300	1	5
1	2	6	0	442	0	1440	1	8
0	0	1	0	496	0	1295	0	6
0	0	0	0	501	0	1510	1	6
1	2	0	0	487	0	1558	1	4
2	4	8	0	446	1	1189	1	5
0	0	0	0	503	0	1565	2	6
0	3	0	0	476	0	1430	1	4
1	4	0	0	453	1	1440	1	5

0	0	0	0	505	0	1500	0	6
0	0	6	0	510	0	1716	1	5
0	1	2	0	513	0	1596	2	5
0	1	1	0	484	1	1547	2	5
1	3	1	0	471	1	1378	1	5
0	0	3	0	497	0	1474	0	6
1	11	2	0	474	1	1506	2	4
0	0	2	0	498	0	1480	0	6
0	0	6	0	501	0	1669	1	5
0	4	1	0	485	0	1511	2	4
1	6	3	0	458	0	1580	1	5
0	2	6	0	508	0	1720	1	5
0	11	1	0	497	1	1558	1	5
1	14	1	0	450	0	1545	1	5
0	0	0	0	755	0	3090	1	4
0	1	5	0	771	0	3490	2	3
0	3	0	0	723	1	2976	0	5

0	1	0	0	683	1	2635	1	7
0	0	0	0	743	0	2601	2	4
1	0	0	0	706	1	2634	1	11
2	2	1	0	670	3	2320	2	16
0	0	0	0	754	0	3158	2	3
1	0	3	0	680	0	2310	1	11
1	1	0	0	690	1	2418	1	15
0	1	0	0	760	0	2705	2	3
0	1	0	0	656	0	2344	1	4
0	1	2	0	661	2	2530	1	6

0	0	0	0	757	0	3100	1	4
0	7	7	0	692	1	3070	1	5
1	10	3	0	676	3	2840	1	8
0	0	0	0	705	0	2643	2	3
0	3	5	0	712	0	2450	1	11
1	5	3	0	692	0	3050	1	14
0	0	4	0	768	0	3400	1	3
0	1	3	0	699	1	2840	1	3
0	3	13	0	677	3	2750	0	6

0	630	9	0	761	0	3266	0	8
0	649	14	0	768	0	3382	1	7
0	708	9	0	774	0	3069	0	8
1	670	11	0	710	2	2840	1	9
0	649	0	0	764	0	2730	2	8
0	629	14	0	702	2	2566	1	11
1	569	0	0	623	3	2003	0	15
0	630	15	0	754	0	3100	1	7
0	628	9	0	701	0	2810	0	8
0	607	9	0	684	2	3937	1	8
0	650	0	0	762	0	2863	2	9
0	625	6	0	714	1	2441	1	40
1	601	18	0	688	6	2573	1	48
0	653	14	0	772	0	3460	1	7
0	626	9	0	701	1	2628	1	8
0	628	7	0	679	3	2628	0	11

0	997	8	0	760	1	3128	0	14
0	963	5	0	743	0	2895	0	15
0	917	7	0	683	2	2633	0	11
0	989	5	0	642	2	2397	0	13
0	957	6	0	757	0	3237	1	9
0	951	3	0	730	0	2961	0	9
0	917	8	0	681	0	2913	0	12
0	960	7	0	766	0	3380	0	10
0	968	5	0	733	1	2880	3	16
0	937	2	0	664	1	2553	0	21
0	990	4	0	734	5	3100	1	25
0	1077	4	0	864	0	3510	1	10
0	1101	4	0	826	0	3058	0	9
0	954	8	0	653	1	2517	0	12

0	964	8	0	733	1	3155	1	16
0	962	5	0	754	0	3408	0	11
0	1008	3	0	732	1	3033	0	10
0	964	6	0	758	0	3431	1	10
0	984	3	0	740	0	3103	0	11
0	950	4	0	763	0	3560	1	9
0	906	3	0	690	0	3200	0	9
0	899	5	0	646	3	2118	2	15

1	0	1	0	485	1	1402	0	4
0	0	0	0	515	0	1650	0	5
0	0	1	0	491	0	1403	0	6
0	3	2	0	482	1	1346	0	6
0	0	0	0	490	0	1406	0	6
1	0	0	0	488	1	1408	0	6
0	0	1	0	504	0	1409	0	5
0	0	1	0	498	0	1450	0	5
0	0	1	0	502	0	1404	0	5
0	0	1	0	497	0	1440	1	5
0	0	1	0	499	0	1408	0	5
0	0	1	0	502	0	1395	0	5
0	7	1	0	499	0	1440	1	5
0	0	1	0	498	1	1430	1	5
2	0	0	0	497	0	1350	0	7
0	0	1	0	499	0	1390	0	5
1	0	1	0	494	0	1470	1	5

0	0	1	0	503	0	1398	0	5
0	1	1	0	500	0	1470	1	4
0	1	4	0	500	0	1305	0	33

D5185	D5185	D5185	D5185	D3525	E168		D6304	D445
SN	TI	V	ZN	FUEL DIL	DIR OX	DIR @ 6.1	WATER DIL	V40
0	0	0	543	1.1	0	0		102
0	0	0	553	0.9	0	0		114.7
0	0	0	553	0.6	0	0		45.29
0	0	0	548	1.5	5	7		42.69
0	0	0	569	1.4	11	11	227	45.33
0	0	0	556	0.8	0	0		44.64
0	0	0	548	1	7	8		43.18
0	0	0	543	1.1	12	12	152	45.46
0	0	0	560	1	0	0		44.14
0	0	0	567	1.6	5	7		41.19
0	0	0	537	1.4	11	15	170	41.92
0	0	0	557	0.8	0	0		44.84
0	0	0	549	1.4	7	7		41.25
1	0	0	533	1.1	12	14	153	41.76
0	0	0	545	1.7	5	7		44.02
2	0	0	545	2.4	11	15	334	45.51
12	0	0	565	1.2	9	9	211	42.91
13	0	0	547	1.5	4	6		41.7
0	0	0	627	0.7	9	10	159	42.34
0	0	0	562	1	7	4		43.76
0	0	0	558	2.3	13	16	245	46.15

0	0	0	544	1	0	0		44.33
0	0	0	548	1.2	2	3		44.44
0	0	0	587	1.2	8	1		43.52
0	0	0	584	1	15	19	251	46.8
0	0	0	577	0.5	4	6		43.74
0	0	0	602	1.5	10	14		40.6
0	0	0	549	2.3	14	21	205	42.91
0	0	0	577	0.8	0	0		44.18
0	0	0	565	1.6	5	5		46.68
1	0	0	562	1.4	13	18	371	48.09
0	0	0	542	0.5	0	0		44.18
0	0	0	557	0.8	5	7		43.67
0	0	0	567	1.6	12	14	206	45.76

0	0	0	548	0.6	0	0		45.06
0	0	0	558	0.9	0	0		44.36
0	0	0	551	2.3	5	6		42.09
0	0	0	499	1.5	12	23	196	45.51
0	0	0	603	0.6	0	0		44.96
0	0	0	553	1.1	5	6		42.31
0	0	0	595	1.4	9	9	164	46.05
0	0	0	577	1.3	0	0		45.13
0	0	0	574	1.547	4	9		43.18
0	0	0	560	1.6	9	16	320	45.57
0	0	0	577	0.5	0	0		45.04
0	0	0	563	1.5	7	5		41.49
0	0	0	544	1.6	12	16	308	43.06
0	0	0	579	1	0	11		45.33
0	0	0	560	1.1	3	0		42.02
0	0	0	548	1.8	9	6	295	43.22
0	0	0	563	1.321	0	15		46.57
0	0	0	585	2.6	4			43.97
1	0	0	547	2	12		110	46.73
0	0	0	644	0.8	8		187	42.72
0	0	0	512	0.7	0			44.86
0	0	0	554	1.9	5			42.56
0	0	0	549	0.896	13		186	46.7

0	0	0	552	0.6	0	0		56.07
0	0	0	571	0.7	0	0		54.66
0	0	0	551	2.5	4	6		50.91
0	0	0	562	2.2	12	15	165	53.38
0	0	0	585	0.8	2	2		54.75
0	0	0	572	1.1	6	8		51.22
0	0	0	571	1.5	14	16	254	53.85
3	0	0	562	0.8	0	0		54.48
0	0	0	565	1.4	6	8		46.68
0	0	0	533	1.6	12	17	179	48.19
0	0	0	550	2	0	0		102.8
0	0	0	557	1.3	0	0		55.08
0	0	0	556	1.4	6	7		61.25
0	0	0	541	1.2	11	16	217	52.02
0	0	0	560	3.5	0	0		54.96
0	0	0	548	0.8	5	5		51.41
0	0	0	548	1.4	13	15	170	49.91

0	0	0	550	0.7	0	0		71.4
0	0	0	574	1.1	0	0		70.29
0	0	0	579	1.1	0	0		70.21
0	0	0	586	1.6	5	0		67.07
0	0	0	578	0.9	10	0	249	69.05
0	0	0	558	0.9	0	0		104
0	0	0	572	1.4	5	0		65.89
0	0	0	560	0.9	0	6		104
0	0	0	563	1.1	0			69.97
0	0	0	561	1.4	5			62.45
0	0	0	543	1.5	0		153	63.14
0	0	0	573	1	0			69.74
0	0	0	590	1.8	5			62.29
0	0	0	540	1.6	9		435	62.92
0	0	0	846	0.8	0	0		61.14
0	0	0	883	0.6	0	0		61.23
2	0	0	888	1.2	5	5		52.51

0	0	0	860	1.7	11	16	158	55.57
0	0	0	831	0.5	0	0		61.26
0	0	0	849	1.1	4	5		53.06
0	0	0	827	0.6	12	13	121	56.38
0	0	0	860	0.9	0	0		
0	0	0	804	1	4	6		49.24
0	0	0	827	1.2	10	13	169	50.21
0	0	0	895	0.8	0	2		61.33
0	0	0	801	1.2	6	10		52
0	0	0	836	2.1	16	21	248	56.53

0	0	0	849	0.7	0	0		61.42
0	0	0	846	0.9	4	8		53.27
0	0	0	845	1	11	14	90	56.42
0	0	0	857	0.7	0	0		61.4
0	0	0	863	1.3	3	6		51.46
0	0	0	829	1.4	9	13	222	51.19
0	0	0	886	0.9	0			61.43
0	0	0	825	1.1	2			54.41
11	0	0	821	0.9	11		86	59.03

0	0	0	869	0.6	0	0		61.54
0	0	0	883	1	0	0		61.26
0	0	0	925	0.8	4	5		53.99
0	0	0	885	0.7	7	9	386	57.77
0	0	0	901	0.7	4	3		61.48
0	0	0	847	1.3	7	8		53.71
0	0	0	807	2.3	15	15	302	57.64
0	0	0	873	1.1	0	0		61.35
0	0	0	827	1.3	3	9		51.28
0	0	0	816	2.2	10	14	37.7	52.92
0	0	0	892	0.7	0	0		61.52
0	0	0	853	1.5	7	5		50.4
0	0	0	823	1.5	11	18	219	52.68
0	0	0	889	0.4	0			61.49
0	0	0	839	1.1	5			54.17
0	0	0	846	1.6	14		180	56.71

0	0	0	853	1.4	0	0		41.14
0	0	0	840	1.3	0	0		41.24
0	0	0	812	1.8	6	6		38.73
0	0	0	865	0.9	11	10	328	41.29
0	0	0	860	1.1	0	0		41.39
0	0	0	843	0.7	5	5		37.31
0	0	0	838	1.1	12	13	277	38.91
0	0	0	867	0.9	0	0		41.12
2	0	0	888	1.7	7	6		37.33
0	0	0	835	2.3	12	14	210	38.73
0	0	0	955	1.2	9	11	101	37.47
0	0	0	958	0.5	0	0		41.23
0	0	0	977	0.4	5	5		39.89
0	0	0	856	1.6	13	13	167	42.5

0	0	0	823	1.8	0	0		41.84
0	0	0	853	4.4	0	0		41.69
0	0	0	880	0.7	6	6		39.89
0	0	0	860	1	0	0		42
0	0	0	864	0.8	6	6		40.21
0	0	0	861	1.5	0			41.7
0	0	0	839	1.5	8			43.31
0	0	0	841	2	16		210.3	49.02

0	0	0	557	1	0	0	102	97.7
0	0	0	574	0.6	0	0		103.5
0	0	0	560	0.8	0	0		102.7
0	0	0	548	0.9	0	0		102.4
0	0	0	560	0.7	0	0		103.1
0	0	0	558	0.9	0	0	298	99.44
2	0	0	589	0.3	0	0		103.5
0	0	0	556	0.7	0	0	253	97.29
2	0	0	584	0.3	0	0		103.2
0	0	0	558	0.7	0	0	282	96.8
2	0	0	579	0.4	0	0		103
2	0	0	587	0.3	0	0		102.9
0	0	0	561	0.7	0	0	319	98.27
0	0	0	559	0.7	2	0	215	98.3
0	0	0	543	1.1	0	0		102
2	0	0	582	0.7	0	0		102.5
0	0	0	557	0.9	3	0	281	93.52

2	0	0	583	0.3	0	0		102.7
0	0	0	564	0.6	0	0	194	97.83
3	0	0	568	1.8	0			103.4

D445	D664	D4739	D6616	D4683	D6079M	D6079M	D6079M
V100	TAN	TBN	HTHS 100C	HTHS 150C	HFRR_40	HFRR_60	HFRR_80
12.06	1.2	5.4	9.88	3.7	0.130	0.133	0.137
13.26	1.7	32.847	10.7	4.1	0.135	0.137	0.138
8.06	1.1	5.6	5.82	2.53	0.126	0.128	0.131
7.59	1.1	5.5	5.74		0.122	0.149	0.165
7.92	1.5	4.8	6.09	2.65	0.133	0.145	0.150
7.96	1.1	5.9	5.7	2.41	0.125	0.130	0.136
7.73	1.2	5.1	6.06		0.129	0.142	0.145
8.02	1.3	4.5	5.95	2.6	0.130	0.139	0.146
8.01	1	6.3	5.83	2.56	0.122	0.130	0.136
7.43	1.1	6.2	5.31		0.126	0.144	0.148
7.5	1.7	3.8	5.56	2.52	0.112	0.128	0.148
8.05	1.2	6	5.71	2.41	0.131	0.135	0.142
7.5	1.1	5.7	5.4		0.127	0.148	0.144
7.55	1.6	4.1	5.71	2.48	0.122	0.142	0.153
7.66	1.3	4.9	5.89		0.131	0.155	0.170
7.8	1.5	4.5	5.98	2.58	0.125	0.137	0.146
7.61	1.5	4.4	5.91	2.51	0.125	0.143	0.169
7.47	0.9	5.4	5.74		0.133	0.151	0.163
7.5	1.5	4.1	5.7	2.49	0.136	0.145	0.158
7.82	1.4	5.6	5.86		0.123	0.140	0.164
8.02	1.5	3.7	5.98	2.65	0.127	0.140	0.145

7.92	1.1	5.6	5.74	2.51	0.128	0.126	0.119
7.98	1	5.8	5.67	2.52	0.122	0.123	0.117
7.84	1.3	5.2	0		0.129	0.146	0.157
8.18	1.4	4.3	6.06	2.68	0.129	0.145	0.149
8	1	6.5	5.63	2.53	0.063	0.064	0.061
					0.121	0.121	0.112
7.42	1	4.9	5.51		0.138	0.140	0.135
7.72	1.6	3.8	5.78	2.57	0.133	0.143	0.147
7.95	1	5.7	5.62	2.5	0.129	0.128	0.119
7.87	1.1	6.5	5.84		0.119	0.136	0.145
8.18	2.4	5.2	6.22	2.7	0.122	0.141	0.147
7.99	0.8	6	5.66	2.5	0.125	0.121	0.116
7.76	1.1	5.5	5.66		0.127	0.132	0.140
8.09	1.6	3.5	6.01	2.65	0.139	0.150	0.153

8.11	0.9	6	5.84	2.54	0.133	0.130	0.108
7.99	1	6.3	5.84	2.52	0.120	0.124	0.117
7.59	1	3.9	5.55		0.132	0.143	0.157
7.99	1.5	4.3	6.08	2.64	0.123	0.136	0.144
8.07	1	6	5.72	2.52	0.127	0.130	0.130
7.75	1.2	5.2	5.74		0.127	0.147	0.174
8.06	1.6	4	5.9	2.63	0.137	0.154	0.174
8.05	1.2	6.1	5.73	2.56	0.138	0.142	0.140
7.79	1.2	4.8	5.7		0.132	0.136	0.180
7.98	1.4	4.1	6.39	2.65	0.147	0.166	0.162
8.07	0.9	6.2	5.73	2.59	0.131	0.134	0.108
7.53	1.2	4.9	5.43		0.127	0.142	0.146
7.64	2.7	3.4	5.93	2.6	0.123	0.161	0.169
8.12	1.2	6	5.72	2.56	0.136	0.144	0.140
7.6	1.2	5.6	5.55		0.136	0.132	0.144
7.66	1.6	3.1	5.81	2.55	0.150	0.163	0.165
8.03	1	6.6	5.57	2.56	0.123	0.126	0.125
7.67	1.2	5.6	5.6		0.120	0.139	0.153
7.94	2	4.4	6.03	2.66	0.116	0.131	0.142
7.57	1.8	3.6	5.75	2.52	0.133	0.143	0.152
8.05	1.2	6	5.78	2.54	0.125	0.122	0.104
7.78	1.4	5.9	5.45		0.121	0.136	0.160
7.95	1.6	4.6	5.94	2.67	0.125	0.143	0.160

9.59	1.1	5.6	6.37	2.88	0.136	0.136	0.143
9.54	1	6.4	6.22	2.88	0.128	0.129	0.131
8.86	1	6.2	5.99		0.127	0.148	0.161
9.13	1.4	5	6.46	2.93	0.125	0.140	0.149
9.58	1.1	6.1	6.28	2.87	0.129	0.136	0.144
8.98	1.5	5	6.16		0.127	0.146	0.147
9.28	2	3.9	6.95	3	0.128	0.146	0.150
9.61	1.1	5.6	6.36	2.86	0.129	0.131	0.139
8.5	1.3	5.2	6		0.127	0.153	0.179
8.46	1.8	4.1	6.22	2.72	0.108	0.121	0.140
12.16	1.3	6.5	9.73	3.68	0.124	0.130	0.132
9.52	1.2	5.9	6.23	2.74	0.131	0.135	0.145
8.63	1.2	7	6.45		0.126	0.142	0.159
8.8	1.8	5.1	6.49	2.81	0.122	0.139	0.168
9.61	1	6.5	6.22	2.9	0.130	0.133	0.141
8.9	1.3	5.7	6.16		0.129	0.141	0.166
8.96	1.7	4.7	6.26	2.86	0.123	0.138	0.144

10.83	1	5.6	7.53	3.21	0.134	0.137	0.145
10.82	1.1	5.8	7.37	3.14	0.129	0.129	0.131
10.77	1.1	5.8	7.31	3.17	0.135	0.148	0.137
10.17	1.4	4.9			0.131	0.135	0.157
10.5	1.5	4.3	7.57	3.22	0.141	0.157	0.165
12.18	1.1	5.7	10	3.69	0.122	0.128	0.130
10.01	1.3	4.9			0.132	0.137	0.149
12.18	1.2	5.9	9.98	3.72	0.123	0.127	0.129
10.78	1.7	6.1	7.42	3.17	0.130	0.123	0.127
9.71	1.3	5.3	7.14		0.133	0.139	0.159
9.76	1.7	3.7	7.32	3.09	0.127	0.144	0.160
10.76	1.1	6.1	7.36	3.15	0.127	0.127	0.135
9.75	1.4	5			0.131	0.135	0.159
9.75	1.8	3.7	7.27	3.06	0.130	0.148	0.164
10.55	1.7	4.9	6.84	3.05	0.123	0.126	0.137
10.54	1.8	5.1	6.63	3.01	0.128	0.124	0.128
9.24	1.4	5.2	6.36		0.124	0.124	0.142

9.73	1.6	4	6.7	3.02	0.137	0.150	0.163
10.54	1.5	5.3	6.59	2.98	0.130	0.129	0.130
9.31	1.6	4.7	6.33		0.127	0.146	0.160
9.55	1.8	3.9	6.81	3.02	0.129	0.154	0.167
10.56	1.6	5.8	6.65	3.01	0.126	0.128	0.130
8.73	1.4	5.1	6.16		0.120	0.124	0.142
8.74	2	3.6	6.46	2.81	0.124	0.150	0.173
10.55	2	5.2	6.55	2.98	0.135	0.130	0.131
9.14	1.9	5	0		0.114	0.120	0.134
9.52	2.6	2.9	6.87	2.98	0.118	0.147	0.164

10.47	1.6	5	6.84	3.03	0.127	0.122	0.110
9.32	1.6	5.6	6.38		0.069	0.076	0.077
					0.123	0.130	0.147
9.63	2.4	3.7	6.83	3.02	0.130	0.146	0.169
10.55	1.7	5.3	6.66	3	0.129	0.121	0.113
9.08	1.7	5.1	0		0.118	0.113	0.131
8.96	2	3.6	6.44	2.85	0.126	0.146	0.159
10.54	1.8	5.2	6.69	3.03	0.132	0.125	0.115
9.41	1.7	4.6	6.59		0.131	0.129	0.146
9.74	2.5	3	7.13	3.04	0.142	0.153	0.164

10.59	1.9	5.5	6.73	3.06	0.116	0.114	0.109
10.54	2.3	4.9	6.57	3.03	0.126	0.121	0.113
9.43	1.6	4.6	6.48		0.127	0.127	0.143
9.82	1.9	2.9	6.7	3.1	0.136	0.134	0.140
10.56	2	5.1	6.5	2.99	0.122	0.119	0.113
9.4	1.9	4.7	6.41		0.132	0.143	0.146
9.72	2.4	3.8	6.96	3.04	0.131	0.140	0.143
10.52	1.6	5.1	6.79	3.04	0.134	0.130	0.130
9	1.4	4.8	5.92		0.133	0.131	0.142
9.1	2	4.3	6.55	2.88	0.141	0.158	0.171
10.55	1.8	5.1	6.57	2.98	0.127	0.124	0.117
8.94	1.6	5.1	6.21		0.131	0.133	0.121
9.1	2.7	3.3	6.61	2.91	0.130	0.141	0.150
10.57	1.8	5.6	6.66	3.02	0.124	0.122	0.115
9.42	1.8	5.2	6.6		0.133	0.134	0.134
9.76	1.9	2.7	6.86	3.04	0.137	0.144	0.164

9.36	2.1	6.5	5.39	2.51	0.119	0.076	0.071
8.94	1.9	6.6		2.56	0.117	0.082	0.081
8.3	1.9	5	0		0.138	0.136	0.095
8.48	3	3.6	5.71	2.76	0.139	0.151	0.150
8.92	2.7	6	5.33	2.57	0.128	0.084	0.085
7.94	1.8	5.9	5.29		0.137	0.134	0.114
7.978	2.6	4	5.62	2.62	0.134	0.145	0.143
8.9	2	6.2	5.42	2.55	0.124	0.086	0.087
7.99	2.2	6.2	5.35		0.140	0.139	0.126
8.16	2.5	4	5.64	2.64	0.132	0.150	0.148
7.72	2.6	4.7	5.55	2.58	0.127	0.139	0.138
8.95	1.8	6.3	5.31	2.56	0.130	0.083	0.079
8.43	1.6	5.1	5.46		0.135	0.113	0.074
8.644	2.4	2.8	5.91	2.78	0.131	0.137	0.147

8.66	2	6.4	5.66	2.59	0.120	0.081	0.073
8.64	2.7	5.6	5.47	2.66	0.118	0.072	0.075
8.43	1.9	5	5.73		0.134	0.131	0.120
8.66	2.5	5.7	5.5	2.65	0.125	0.083	0.081
8.25	1.9	5	5.62		0.133	0.135	0.131
8.66	1.62	6.31	5.54	2.61	0.117	0.131	0.087
8.66	1.96	4.92	5.94		0.140	0.145	0.145
9.25	3.4	2.5	6.61	2.9	0.146	0.160	0.164

11.76	1.4	6.1	9.51	3.66	0.118	0.126	0.125
12.19	1.3	6.3	9.8	3.65	0.129	0.127	0.128
12.1	1.2	6.2	9.78	3.73	0.126	0.127	0.127
12.1	1.1	6.4	9.86	3.71	0.120	0.121	0.123
12.15	1.1	6.3	9.83	3.74	0.129	0.128	0.130
11.85	1.2	6.1	9.62	3.68	0.118	0.127	0.129
12.12	1	5.8	9.96	3.64	0.125	0.129	0.132
11.66	1	6	9.55	3.62	0.117	0.124	0.123
12.09	1	6.2	10	3.66	0.120	0.126	0.128
11.69	1	5.5		3.59	0.119	0.125	0.128
12.08	1	5.7	9.94	3.68	0.122	0.125	0.129
12.07	1	6	9.87	3.66	0.121	0.126	0.126
11.79	1	5.8	9.74	3.54	0.120	0.126	0.125
11.79	1	5.4		3.57	0.120	0.124	0.123
12.06	1.2	5.4	9.88	3.7	0.130	0.133	0.137
12.04	1	5.8	9.83	3.65	0.121	0.125	0.128
11.49	1.1	6.2	9.31	3.52	0.116	0.126	0.128

12.07	1	5.7	9.96	3.62	0.124	0.126	0.129
11.78	1	5.4	9.57	3.63	0.118	0.123	0.120
11.99	1	6.3	10	3.61	0.136	0.135	0.136

D6079M HFRR_100	D6079M HFRR_120	D6079M HFRR_140
0.149	0.150	0.150
0.145	0.148	0.146
0.134	0.139	0.139
0.167	0.177	0.195
0.159	0.160	0.160
0.144	0.148	0.147
0.142	0.146	0.144
0.151	0.153	0.153
0.144	0.146	0.146
0.150	0.151	0.154
0.156	0.163	0.145
0.150	0.150	0.149
0.135	0.138	0.132
0.154	0.158	0.148
0.169	0.165	0.162
0.144	0.143	0.143
0.165	0.167	0.178
0.170	0.173	0.167
0.151	0.149	0.141
0.161	0.160	0.157
0.145	0.144	0.145

0.111	0.108	0.110
0.111	0.107	0.110
0.146	0.145	0.142
0.150	0.155	0.151
0.057	0.054	0.053
0.107	0.106	0.108
0.143	0.143	0.145
0.151	0.156	0.148
0.113	0.115	0.118
0.145	0.146	0.140
0.148	0.150	0.143
0.111	0.110	0.118
0.136	0.134	0.128
0.154	0.152	0.146

0.064	0.059	0.055
0.069	0.061	0.054
0.143	0.099	0.051
0.158	0.151	0.140
0.066	0.060	0.056
0.156	0.093	0.046
0.175	0.171	0.164
0.077	0.078	0.089
0.187	0.170	0.097
0.176	0.172	0.170
0.065	0.061	0.057
0.145	0.143	0.137
0.175	0.175	0.175
0.081	0.071	0.079
0.167	0.158	0.133
0.169	0.164	0.157
0.065	0.058	0.056
0.151	0.142	0.103
0.143	0.144	0.139
0.163	0.151	0.143
0.085	0.070	0.060
0.153	0.087	0.046
0.174	0.170	0.162

0.147	0.149	0.147
0.140	0.144	0.144
0.159	0.152	0.152
0.151	0.149	0.154
0.151	0.149	0.147
0.158	0.164	0.171
0.161	0.165	0.162
0.154	0.152	0.148
0.180	0.186	0.166
0.152	0.148	0.145
0.142	0.144	0.145
0.144	0.147	0.148
0.172	0.172	0.158
0.163	0.163	0.176
0.144	0.144	0.144
0.163	0.157	0.153
0.147	0.148	0.145

0.150	0.150	0.152
0.139	0.142	0.145
0.152	0.155	0.153
0.170	0.176	0.157
0.169	0.171	0.170
0.138	0.140	0.141
0.160	0.170	0.152
0.136	0.135	0.140
0.140	0.146	0.149
0.160	0.162	0.151
0.173	0.168	0.165
0.143	0.142	0.143
0.190	0.184	0.162
0.171	0.169	0.168
0.138	0.128	0.126
0.129	0.123	0.118
0.153	0.152	0.141

0.160	0.158	0.148
0.132	0.128	0.124
0.159	0.156	0.149
0.162	0.157	0.164
0.140	0.136	0.126
0.154	0.152	0.149
0.177	0.174	0.155
0.135	0.129	0.127
0.157	0.157	0.147
0.160	0.150	0.151

0.113	0.109	0.103
0.074	0.070	0.070
0.142	0.140	0.133
0.169	0.161	0.155
0.107	0.104	0.097
0.147	0.147	0.140
0.156	0.151	0.142
0.107	0.106	0.109
0.153	0.157	0.142
0.182	0.173	0.151

0.102	0.087	0.068
0.106	0.082	0.068
0.134	0.094	0.071
0.147	0.148	0.126
0.107	0.088	0.070
0.157	0.147	0.140
0.149	0.152	0.136
0.124	0.109	0.063
0.154	0.136	0.099
0.166	0.161	0.142
0.112	0.084	0.075
0.132	0.126	0.091
0.146	0.143	0.134
0.106	0.084	0.073
0.127	0.105	0.075
0.169	0.154	0.145

0.069	0.065	0.071
0.076	0.067	0.070
0.057	0.046	0.054
0.142	0.136	0.126
0.081	0.070	0.063
0.056	0.040	0.036
0.137	0.133	0.105
0.083	0.071	0.066
0.069	0.044	0.034
0.143	0.137	0.113
0.128	0.094	0.064
0.076	0.067	0.072
0.054	0.055	0.063
0.149	0.140	0.129

0.072	0.066	0.073
0.077	0.070	0.082
0.128	0.087	0.049
0.079	0.069	0.070
0.066	0.046	0.036
0.064	0.065	0.076
0.136	0.081	0.050
0.154	0.143	0.136

0.137	0.147	0.146
0.129	0.145	0.146
0.136	0.142	0.141
0.133	0.139	0.141
0.138	0.144	0.144
0.139	0.146	0.146
0.141	0.144	0.143
0.125	0.135	0.143
0.135	0.138	0.141
0.131	0.141	0.145
0.140	0.141	0.145
0.131	0.143	0.142
0.130	0.138	0.143
0.131	0.139	0.143
0.149	0.150	0.150
0.138	0.148	0.145
0.140	0.146	0.141

0.134	0.137	0.141
0.128	0.135	0.143
0.144	0.151	0.148

