DRAFT -- January 28, 2010

AB 679 TEST PROGRAM TEST FUEL PROPERTIES ---------- APPROVED RANGES AND ACTUAL (AS DETERMINED BY ANALYTICAL METHODS)

CALIFORNIA DIESEL FUEL

Property	Approved CA Range		Terminal	ARB's Fuel Analysis Section & SwRI			COP's
	Minimum	Maximum	Analysis	1st Drum	2nd Drum	3rd Drum	Analyses
API Gr. D287	37.5	39.5					
API Gr. D4052			36.6	36.8	36.8	36.8	36.6
T50 (°F)	470	490	476	478	477	476	477
T90 (°F)	595	615	607	607	606	606	618
AHC D1319 (vol%)							
AHC D5186 (vol%)	16	19	19.7	19.1	19.2	19.1	
Cetane Number	50	53	52.3	52.0	49.7	49.6	51.6
Sulfur (ppmw)	2	6	6	8	7	7	

FEDERAL A DIESEL FUEL

Property	Approved Fed. A Range		Approved Fed. A Fallback		Refinery	ARB's Fuel Analysis Section & SwRI			COP's
	Minimum	Maximum	Minimum	Maximum	C. of A.	1st Drum	2nd Drum	3rd Drum	Analyses
API Gr. D287	34.5	36.5	32.6	34.6					
API Gr. D4052					35.0	35.2	35.2	35.2	35.0
T50 (°F)	490	510	490	510	486	487	487	486	485
T90 (°F)	595	615	595	615	582	581	580	581	584
AHC D1319 (vol%)	27	30	29.7	31.7	28.8				
AHC D5186 (vol%)					33.1	30.6	30.6	30.7	
Cetane Number	45	48	46.3	48.3	44	44.9	45.5	46.1	47.4
Sulfur (ppmw)	4	8	6	10	8	13	13	13	

FEDERAL B DIESEL FUEL

Property	Approved Fed. B Range		Serv. Station	ARB's Fuel Analysis Section & SwRI			COP's
	Minimum	Maximum	Analysis	1st Drum	2nd Drum	3rd Drum	Analyses
API Gr. D287	32.5	34.5	34.2				
API Gr. D4052				34.0	34.0	34.0	33.8
T50 (°F)	478	526		493	494	493	498
T90 (°F)	576	632		617	620	618	631
AHC D1319 (vol%)	31.2	40	38.1				
AHC D5186 (vol%)				36.0	36.0	36.1	
Cetane Number	40.2	45		44.0	44.2	44.1	45.0
Sulfur (ppmw)	5	9		5	5	5	