



SUBJECT 7000L-140 Crane Ratings			
PART	ENGINEER Terry Hoffman	DATE 21-Oct-09	CONTRACT
ASSY/JOB NAME	APPROVED	DATE	PAGE 1 OF 1



## ABS RATINGS

## API RATINGS

ABS RATINGS			API RATINGS										
Boom DEG	Radius FT	Rating LBS	Onboard Ratings		Offboard Ratings								Cv = 2.0 LBS
			LBS	1 ft Deck Motion LBS	2 ft Deck Motion LBS	3 ft Deck Motion LBS	4 ft Deck Motion LBS	5 ft Deck Motion LBS	6 ft Deck Motion LBS				
81	34	1,000,005	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	717,134
80	35	1,000,005	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	714,396
78	40	1,000,005	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	700,041
76	45	979,708	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	806,290	751,832	688,169
74	50	883,434	806,290	806,290	806,290	806,290	799,470	789,196	740,397	671,748	644,241	583,605	
72	55	805,550	806,290	754,647	745,776	737,102	728,821	689,061	605,900	532,329	488,407	450,367	
69	60	740,586	750,288	698,457	691,055	683,802	672,441	608,056	549,761	497,088	450,367	417,103	
67	65	685,066	693,183	649,709	643,456	637,316	615,853	566,002	511,187	445,311	417,103	387,771	
65	70	636,673	643,508	606,677	601,341	596,094	567,045	511,187	445,311	417,103	387,771	359,299	
63	75	593,799	599,622	568,136	563,549	559,031	524,611	472,309	401,186	371,715	344,241	316,940	
60	80	555,292	560,287	533,194	529,227	525,316	488,128	438,362	363,197	338,415	316,940	296,564	
58	85	520,300	524,606	501,180	497,735	494,335	455,425	400,140	329,995	301,146	278,138	259,299	
55	90	488,174	491,901	471,577	468,576	465,612	426,493	366,387	301,146	278,138	259,299	246,115	
53	95	458,408	461,639	443,973	441,356	438,767	400,792	336,516	275,695	259,299	246,115	229,995	
50	100	430,592	433,397	418,033	415,749	413,488	377,887	309,899	253,087	238,415	229,995	219,239	
48	105	404,386	406,821	393,473	391,482	389,510	350,090	286,025	232,872	229,995	219,239	207,357	
45	110	379,496	381,604	370,040	368,311	366,596	324,582	264,474	214,680	219,239	207,357	196,358	
42	115	355,651	357,470	347,502	346,007	344,524	301,322	244,891	198,062	219,239	207,357	186,145	
38	120	332,585	334,144	325,623	324,341	323,069	279,960	226,971	183,062	219,239	207,357	176,649	
35	125	310,009	311,334	304,141	303,056	301,978	260,178	210,437	169,253	219,239	207,357	166,145	
31	130	287,569	288,678	282,728	281,828	280,933	241,664	195,024	156,410	219,239	207,357	156,410	
27	135	264,745	265,652	260,896	260,174	259,456	224,072	180,444	144,422	219,239	207,357	144,422	
22	140	240,589	241,300	237,744	237,203	236,664	206,914	166,298	132,746	219,239	207,357	132,746	
15	145	212,561	213,067	210,848	210,509	210,170	189,108	151,722	120,800	219,239	207,357	120,800	
0	149	162,205	162,396	162,573	162,600	162,627	162,655	131,832	104,907	219,239	207,357	104,907	

**Note:** Above ratings are "net" hook ratings as a main load block weight of 30,000 lbs has been accounted for.  
 Ratings are applicable to a crane equipped with three load hooks- Main, Intermediate (50 Ton), and Auxiliary (25 Ton).