



**Surcharge List - December 2020 Data**

Effective Dec 1, 2020 through Dec 31, 2020

Published November 11, 2020

(\$/CWT)

**Scrap Surcharge:**  
\$9.584/CWT

**Energy Surcharge:**  
Bars\*: \$0/CWT Tubes\*: \$0/CWT  
\*Not included in Total below

Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
1010	9.584	0.080	0.000	0.000	0.000	0.000	0.080	9.664
1010M+Ti	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1015	9.584	0.080	0.000	0.000	0.000	0.000	0.080	9.664
1018	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1020	9.584	0.080	0.000	0.000	0.000	0.000	0.080	9.664
1020V3	9.584	0.337	0.000	0.000	0.000	0.149	0.188	9.921
1022	9.584	0.152	0.000	0.000	0.000	0.000	0.152	9.736
1022M	9.584	0.174	0.000	0.000	0.000	0.000	0.174	9.758
1025	9.584	0.080	0.000	0.000	0.000	0.000	0.080	9.664
1026	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1026HS	9.584	0.457	0.000	0.000	0.000	0.323	0.134	10.041
1028	9.584	0.166	0.000	0.000	0.000	0.000	0.166	9.750
1029	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1030	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1035	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1038	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1040	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1042	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1043	9.584	0.152	0.000	0.000	0.000	0.000	0.152	9.736
1045	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1045H	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1050	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1050M1	9.584	0.192	0.000	0.000	0.000	0.000	0.192	9.776
1050M2	9.584	0.170	0.000	0.000	0.000	0.000	0.170	9.754
1050MV	9.584	0.233	0.000	0.000	0.000	0.099	0.134	9.817



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
1053	9.584	0.152	0.000	0.000	0.000	0.000	0.152	9.736
1055	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1060	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1060M	9.584	0.125	0.000	0.000	0.000	0.000	0.125	9.709
1070M	9.584	0.170	0.000	0.000	0.000	0.000	0.170	9.754
1080	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
1080M	9.584	0.133	0.000	0.000	0.000	0.000	0.133	9.717
1090	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
10B36	9.584	0.223	0.000	0.000	0.000	0.000	0.223	9.807
10B41	9.584	0.170	0.000	0.000	0.000	0.000	0.170	9.754
10V40M	9.584	0.506	0.000	0.000	0.000	0.323	0.183	10.090
10V45	9.584	0.681	0.000	0.000	0.000	0.547	0.134	10.265
1117	9.584	0.205	0.000	0.000	0.000	0.000	0.205	9.789
1137	9.584	0.268	0.000	0.000	0.000	0.000	0.268	9.852
1141	9.584	0.268	0.000	0.000	0.000	0.000	0.268	9.852
1141V	9.584	0.690	0.000	0.000	0.000	0.423	0.268	10.274
1144	9.584	0.268	0.000	0.000	0.000	0.000	0.268	9.852
1340	9.584	0.313	0.000	0.000	0.000	0.000	0.313	9.897
1516	9.584	0.254	0.000	0.000	0.000	0.000	0.254	9.838
1516CbV1	9.584	0.609	0.000	0.000	0.000	0.373	0.237	10.193
1517VCbCa2	9.584	0.314	0.000	0.000	0.000	0.124	0.190	9.898
1518CbV	9.584	0.541	0.076	0.000	0.000	0.249	0.217	10.125
1518VCa2	9.584	0.368	0.000	0.000	0.000	0.149	0.219	9.952
1519V	9.584	0.267	0.000	0.000	0.000	0.075	0.193	9.851
1519VCbCa2	9.584	0.538	0.000	0.000	0.000	0.348	0.190	10.122



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
1520VNb	9.584	0.498	0.000	0.000	0.000	0.273	0.225	10.082
1522	9.584	0.223	0.000	0.000	0.000	0.000	0.223	9.807
1538M	9.584	0.214	0.000	0.000	0.000	0.000	0.214	9.798
1552	9.584	0.241	0.000	0.000	0.000	0.000	0.241	9.825
1552M1	9.584	0.268	0.000	0.000	0.000	0.000	0.268	9.852
1566	9.584	0.179	0.000	0.000	0.000	0.000	0.179	9.763
15B23MoV	9.584	1.095	0.091	0.000	0.514	0.249	0.241	10.679
15B29	9.584	0.228	0.000	0.000	0.000	0.000	0.228	9.812
15B37H	9.584	0.223	0.000	0.000	0.000	0.000	0.223	9.807
15B41H	9.584	0.268	0.000	0.000	0.000	0.000	0.268	9.852
15CrMo5	9.584	2.580	0.697	0.000	1.714	0.000	0.170	12.164
15CrMoV6	9.584	8.416	0.833	0.000	6.171	1.243	0.170	18.000
15V10M	9.584	1.159	0.000	0.000	0.514	0.373	0.272	10.743
15V20	9.584	1.093	0.000	0.000	0.000	0.870	0.223	10.677
17-22-AS	9.584	5.526	0.757	0.000	3.428	1.243	0.098	15.110
17-22-AV	9.584	8.544	0.757	0.000	3.428	4.225	0.134	18.128
17CrNiMo6	9.584	9.888	0.999	6.707	2.057	0.000	0.125	19.472
18CrNiMo7-6	9.584	9.888	0.999	6.707	2.057	0.000	0.125	19.472
2.25Cr1Mo	9.584	8.300	1.363	0.000	6.856	0.000	0.080	17.884
20MnCr5	9.584	0.920	0.697	0.000	0.000	0.000	0.223	10.504
20MoCr4M	9.584	3.512	0.288	0.000	3.085	0.000	0.138	13.096
23MnNiMoCr5-4	9.584	8.624	0.303	4.327	3.771	0.000	0.223	18.208
25MoCr4	9.584	3.566	0.500	0.000	2.914	0.000	0.152	13.150
31CrMoV9	9.584	3.729	1.514	0.000	1.371	0.746	0.098	13.313
3310	9.584	16.192	0.954	15.145	0.000	0.000	0.094	25.776



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
3311	9.584	16.094	0.878	15.145	0.000	0.000	0.071	25.678
34CrNiMo6V	9.584	9.922	0.999	7.140	1.543	0.124	0.116	19.506
36CrNiMo4	9.584	6.838	0.636	4.543	1.543	0.000	0.116	16.422
38MnS6BY	9.584	0.350	0.091	0.000	0.000	0.000	0.259	9.934
38MnS6ICI	9.584	0.345	0.091	0.000	0.000	0.000	0.254	9.929
38MnS6MOD	9.584	0.341	0.091	0.000	0.000	0.000	0.250	9.925
38MnS6VBYMod	9.584	0.514	0.061	0.000	0.000	0.199	0.254	10.098
38MNVMod	9.584	0.738	0.000	0.000	0.000	0.497	0.241	10.322
38MnVS6MOD	9.584	1.372	0.000	0.000	0.000	1.193	0.179	10.956
4023	9.584	1.857	0.000	0.000	1.714	0.000	0.143	11.441
4027	9.584	1.857	0.000	0.000	1.714	0.000	0.143	11.441
40CrNiMoA	9.584	8.756	0.485	6.707	1.440	0.000	0.125	18.340
4118	9.584	1.234	0.303	0.000	0.788	0.000	0.143	10.818
4118H	9.584	1.234	0.303	0.000	0.788	0.000	0.143	10.818
4120	9.584	1.622	0.303	0.000	1.131	0.000	0.188	11.206
4121	9.584	2.204	0.333	0.000	1.714	0.000	0.156	11.788
4121M	9.584	2.490	0.439	0.000	1.886	0.000	0.165	12.074
4121M1	9.584	2.954	0.560	0.000	2.228	0.000	0.165	12.538
4121M2	9.584	2.954	0.560	0.000	2.228	0.000	0.165	12.538
4121M2.5	9.584	2.402	0.545	0.000	1.714	0.000	0.143	11.986
4128VMTi	9.584	4.069	1.090	0.000	2.400	0.472	0.107	13.653
4130	9.584	2.036	0.575	0.000	1.371	0.000	0.089	11.620
4130H	9.584	2.051	0.591	0.000	1.371	0.000	0.089	11.635
4130HW	9.584	3.173	0.636	0.757	1.543	0.139	0.098	12.757
4130M7Ca4	9.584	5.751	0.818	0.000	4.800	0.000	0.134	15.335



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
4130MNi4V	9.584	4.410	0.697	1.947	1.543	0.089	0.134	13.994
4130MODSS	9.584	5.862	0.606	0.000	4.971	0.214	0.071	15.446
4130MVCbTi	9.584	3.402	0.651	0.000	2.228	0.398	0.125	12.986
4130Ni	9.584	2.833	0.621	0.649	1.474	0.000	0.089	12.417
4130NiNb	9.584	3.217	0.636	0.865	1.543	0.075	0.098	12.801
4130NiV	9.584	3.232	0.636	0.865	1.543	0.089	0.098	12.816
4130NiVCa4	9.584	3.085	0.666	0.865	1.371	0.075	0.107	12.669
4130V	9.584	2.318	0.651	0.000	1.371	0.189	0.107	11.902
4130V2	9.584	2.999	0.651	0.000	1.371	0.870	0.107	12.583
4135	9.584	2.090	0.575	0.000	1.371	0.000	0.143	11.674
4135H	9.584	2.105	0.591	0.000	1.371	0.000	0.143	11.689
4137MCbCa4	9.584	2.892	0.636	0.000	2.091	0.000	0.165	12.476
4137MVCa4	9.584	3.228	0.636	0.000	2.228	0.199	0.165	12.812
4140	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4140VNb	9.584	2.984	0.575	0.757	1.371	0.124	0.156	12.568
4140Ca1	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4140Ca2	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4140Ca4	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4140H	9.584	2.118	0.591	0.000	1.371	0.000	0.156	11.702
4140HW	9.584	3.230	0.636	0.757	1.543	0.124	0.170	12.814
4140MV	9.584	3.706	0.606	0.000	2.571	0.373	0.156	13.290
4140Nb	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4140Se	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4140V	9.584	2.302	0.575	0.000	1.371	0.199	0.156	11.886
4140VNb	9.584	2.984	0.575	0.757	1.371	0.124	0.156	12.568



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
4142	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4142H	9.584	2.118	0.591	0.000	1.371	0.000	0.156	11.702
4143V	9.584	2.445	0.606	0.000	1.543	0.149	0.147	12.029
4145	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4145H	9.584	2.118	0.591	0.000	1.371	0.000	0.156	11.702
4145HS	9.584	3.042	0.621	0.000	2.057	0.199	0.165	12.626
4145HSX	9.584	3.734	0.666	0.000	2.743	0.124	0.201	13.318
4145M	9.584	2.500	0.621	0.000	1.714	0.000	0.165	12.084
4145M3CbTiCa4	9.584	3.028	0.621	0.000	2.228	0.000	0.179	12.612
4145M3VCb	9.584	3.039	0.651	0.000	2.057	0.139	0.192	12.623
4145M4	9.584	3.539	0.591	0.000	2.743	0.000	0.205	13.123
4145M4CA4	9.584	3.539	0.591	0.000	2.743	0.000	0.205	13.123
4145M4VCb	9.584	3.734	0.666	0.000	2.743	0.124	0.201	13.318
4145MCA2	9.584	2.500	0.621	0.000	1.714	0.000	0.165	12.084
4145MCA4	9.584	2.830	0.621	0.000	2.057	0.000	0.152	12.414
4150	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4150Ca1	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4150H	9.584	2.118	0.591	0.000	1.371	0.000	0.156	11.702
4150HTe	9.584	2.118	0.591	0.000	1.371	0.000	0.156	11.702
4150MR	9.584	1.992	0.424	0.000	1.371	0.000	0.196	11.576
4150R	9.584	2.103	0.575	0.000	1.371	0.000	0.156	11.687
4161H	9.584	2.698	0.485	0.000	2.057	0.000	0.156	12.282
41B17M	9.584	1.547	0.318	0.000	1.028	0.000	0.201	11.131
41B27	9.584	2.066	0.575	0.000	1.406	0.000	0.085	11.650
41B28M4NBCA4	9.584	3.920	0.606	0.000	3.085	0.139	0.089	13.504



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41B30M1	9.584	1.655	0.318	0.000	1.131	0.000	0.205	11.239
41B45M	9.584	1.571	0.303	0.000	1.063	0.000	0.205	11.155
42CrMo4	9.584	2.313	0.636	0.000	1.543	0.000	0.134	11.897
42CrMo4+Ni+V	9.584	4.717	0.666	1.731	1.714	0.472	0.134	14.301
4319	9.584	9.805	0.303	7.681	1.714	0.000	0.107	19.389
4320	9.584	10.012	0.303	7.897	1.714	0.000	0.098	19.596
4320H	9.584	9.796	0.303	7.681	1.714	0.000	0.098	19.380
4320M9	9.584	15.154	0.303	7.897	6.856	0.000	0.098	24.738
4320MCr	9.584	10.013	0.485	7.681	1.714	0.000	0.134	19.597
4330NiMo5VCa4	9.584	14.701	0.575	10.169	3.428	0.373	0.156	24.285
4330VCb	9.584	12.625	0.560	8.330	3.257	0.313	0.165	22.209
4332CR12	9.584	9.210	0.727	6.491	1.886	0.000	0.107	18.794
4332MVCa2	9.584	16.010	0.666	11.683	2.914	0.621	0.125	25.594
4340	9.584	10.225	0.485	7.897	1.714	0.000	0.129	19.809
4340Ca2	9.584	10.230	0.485	7.897	1.714	0.000	0.134	19.814
4340Ca4	9.584	10.230	0.485	7.897	1.714	0.000	0.134	19.814
4340CAR	9.584	10.230	0.485	7.897	1.714	0.000	0.134	19.814
4340H	9.584	10.013	0.485	7.681	1.714	0.000	0.134	19.597
4340V	9.584	10.453	0.485	7.897	1.714	0.224	0.134	20.037
4350	9.584	10.199	0.454	7.897	1.714	0.000	0.134	19.783
4350M1	9.584	8.508	0.485	5.842	2.057	0.000	0.125	18.092
43B17	9.584	10.017	0.303	7.897	1.714	0.000	0.103	19.601
44MnSiVS6	9.584	1.181	0.151	0.000	0.000	0.770	0.259	10.765
4619	9.584	9.891	0.182	7.897	1.714	0.000	0.098	19.475
4715	9.584	7.754	0.333	3.678	3.600	0.000	0.143	17.338



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4715Ca2	9.584	7.754	0.333	3.678	3.600	0.000	0.143	17.338
4715Ca4	9.584	7.797	0.333	3.721	3.600	0.000	0.143	17.381
4715VCa2	9.584	7.952	0.333	3.678	3.600	0.199	0.143	17.536
4815Ca4	9.584	16.948	0.000	15.145	1.714	0.000	0.089	26.532
4815MCA2	9.584	17.696	0.000	15.145	2.400	0.000	0.152	27.280
4815MCA2	9.584	17.696	0.000	15.145	2.400	0.000	0.152	27.280
4817H	9.584	16.948	0.000	15.145	1.714	0.000	0.089	26.532
4820	9.584	16.966	0.000	15.145	1.714	0.000	0.107	26.550
4820H	9.584	16.966	0.000	15.145	1.714	0.000	0.107	26.550
5016NiV	9.584	1.879	0.121	1.212	0.000	0.368	0.179	11.463
5046	9.584	0.323	0.167	0.000	0.000	0.000	0.156	9.907
5046H	9.584	0.326	0.170	0.000	0.000	0.000	0.156	9.910
5046M	9.584	0.655	0.167	0.000	0.000	0.323	0.165	10.239
5059Ni	9.584	1.468	0.151	0.865	0.309	0.000	0.143	11.052
5060	9.584	0.459	0.303	0.000	0.000	0.000	0.156	10.043
50B25	9.584	0.378	0.182	0.000	0.000	0.000	0.196	9.962
50B32M	9.584	0.896	0.227	0.000	0.446	0.000	0.223	10.480
5120	9.584	0.627	0.485	0.000	0.000	0.000	0.143	10.211
5120H	9.584	0.627	0.485	0.000	0.000	0.000	0.143	10.211
5120M	9.584	0.832	0.636	0.000	0.000	0.000	0.196	10.416
5130	9.584	0.718	0.575	0.000	0.000	0.000	0.143	10.302
5130H	9.584	0.733	0.591	0.000	0.000	0.000	0.143	10.317
5132RM	9.584	1.196	0.636	0.000	0.000	0.373	0.188	10.780
5135	9.584	0.685	0.560	0.000	0.000	0.000	0.125	10.269
5150	9.584	0.627	0.485	0.000	0.000	0.000	0.143	10.211





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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
5160H	9.584	0.641	0.485	0.000	0.000	0.000	0.156	10.225
5160Te	9.584	0.724	0.545	0.000	0.000	0.000	0.179	10.308
5165	9.584	0.641	0.485	0.000	0.000	0.000	0.156	10.225
52100	9.584	0.956	0.893	0.000	0.000	0.000	0.063	10.540
5219	9.584	0.626	0.394	0.000	0.000	0.000	0.232	10.210
6150	9.584	1.464	0.575	0.000	0.000	0.746	0.143	11.048
8019	9.584	1.211	0.348	0.000	0.720	0.000	0.143	10.795
8119	9.584	2.857	0.363	1.406	0.891	0.000	0.196	12.441
8219	9.584	2.948	0.363	1.406	0.960	0.000	0.219	12.532
8319	9.584	3.223	0.363	1.406	1.234	0.000	0.219	12.807
8617	9.584	4.197	0.303	2.380	1.371	0.000	0.143	13.781
8617H	9.584	4.192	0.303	2.380	1.371	0.000	0.138	13.776
8620	9.584	4.197	0.303	2.380	1.371	0.000	0.143	13.781
8620Ca1	9.584	4.197	0.303	2.380	1.371	0.000	0.143	13.781
8620H	9.584	4.192	0.303	2.380	1.371	0.000	0.138	13.776
8620M7	9.584	4.192	0.303	2.380	1.371	0.000	0.138	13.776
8620Te	9.584	4.636	0.345	2.596	1.543	0.000	0.152	14.220
8622H	9.584	4.192	0.303	2.380	1.371	0.000	0.138	13.776
8625	9.584	4.197	0.303	2.380	1.371	0.000	0.143	13.781
8627H	9.584	4.192	0.303	2.380	1.371	0.000	0.138	13.776
8630	9.584	4.197	0.303	2.380	1.371	0.000	0.143	13.781
8630H	9.584	4.192	0.303	2.380	1.371	0.000	0.138	13.776
8630MCA2	9.584	6.272	0.485	3.245	2.400	0.000	0.143	15.856
8630MCA4	9.584	6.272	0.485	3.245	2.400	0.000	0.143	15.856
8630MVCA2	9.584	7.452	0.575	3.678	2.914	0.124	0.161	17.036



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
8630MVCAR	9.584	7.452	0.575	3.678	2.914	0.124	0.161	17.036
8640	9.584	4.210	0.303	2.380	1.371	0.000	0.156	13.794
8640H	9.584	4.210	0.303	2.380	1.371	0.000	0.156	13.794
86B20H	9.584	4.364	0.303	2.380	1.543	0.000	0.138	13.948
8719M	9.584	4.810	0.303	2.813	1.543	0.000	0.152	14.394
8720Ca4	9.584	4.540	0.303	2.380	1.714	0.000	0.143	14.124
8720M2	9.584	4.344	0.333	2.488	1.371	0.000	0.152	13.928
8740	9.584	4.553	0.303	2.380	1.714	0.000	0.156	14.137
8822	9.584	5.239	0.303	2.380	2.400	0.000	0.156	14.823
8822H	9.584	5.239	0.303	2.380	2.400	0.000	0.156	14.823
8829M7CbTiCa4	9.584	9.935	0.485	3.462	5.828	0.000	0.161	19.519
9260	9.584	0.156	0.000	0.000	0.000	0.000	0.156	9.740
9310	9.584	15.677	0.727	14.063	0.788	0.000	0.098	25.261
9310H	9.584	15.692	0.742	14.063	0.788	0.000	0.098	25.276
9313MCa4	9.584	15.889	0.878	14.063	0.823	0.000	0.125	25.473
9323M	9.584	19.337	0.757	16.226	2.228	0.000	0.125	28.921
9325M1	9.584	18.600	0.606	15.145	2.743	0.000	0.107	28.184
9840	9.584	6.669	0.485	4.327	1.714	0.000	0.143	16.253
9Cr1Mo	9.584	12.388	5.451	0.000	6.856	0.000	0.080	21.972
A485-1	9.584	0.828	0.636	0.000	0.000	0.000	0.192	10.412
A485-2	9.584	1.246	0.969	0.000	0.000	0.000	0.277	10.830
A485-3	9.584	2.640	0.787	0.000	1.714	0.000	0.138	12.224
A485-B6	9.584	3.101	1.090	0.000	1.886	0.000	0.125	12.685
A485-B7	9.584	4.301	1.090	0.000	3.085	0.000	0.125	13.885
C38+N2	9.584	0.345	0.091	0.000	0.000	0.000	0.254	9.929



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
C38Mod	9.584	0.833	0.091	0.000	0.000	0.497	0.246	10.417
CrMo	9.584	4.592	0.757	0.000	3.737	0.000	0.098	14.176
CrMoV4	9.584	6.590	0.666	0.000	4.525	1.243	0.156	16.174
CrMoV6	9.584	4.385	0.591	0.000	2.400	1.243	0.152	13.969
CTC4162-130	9.584	2.991	0.621	0.865	1.371	0.000	0.134	12.575
CTC4162-140	9.584	2.991	0.621	0.865	1.371	0.000	0.134	12.575
EN27	9.584	14.718	0.772	12.116	1.714	0.000	0.116	24.302
EN30B	9.584	20.644	0.757	17.741	2.057	0.000	0.089	30.228
EN30BMod	9.584	22.058	0.833	17.849	2.914	0.373	0.089	31.642
En355	9.584	11.062	0.939	8.654	1.371	0.000	0.098	20.646
EN40B	9.584	5.491	1.969	0.000	3.428	0.000	0.094	15.075
EX25	9.584	2.204	0.333	0.000	1.714	0.000	0.156	11.788
EX4	9.584	1.004	0.333	0.000	0.514	0.000	0.156	10.588
HF1	9.584	0.313	0.000	0.000	0.000	0.000	0.313	9.897
HS220-18	9.584	11.062	0.182	7.897	2.743	0.000	0.241	20.646
HS220-18S	9.584	11.062	0.182	7.897	2.743	0.000	0.241	20.646
HS220-27	9.584	11.870	0.530	7.897	2.914	0.373	0.156	21.454
HS220-27Ca2	9.584	11.870	0.530	7.897	2.914	0.373	0.156	21.454
HS220-27CA4	9.584	11.870	0.530	7.897	2.914	0.373	0.156	21.454
HS220-27Ca4	9.584	11.870	0.530	7.897	2.914	0.373	0.156	21.454
HS220-27CAR	9.584	11.870	0.530	7.897	2.914	0.373	0.156	21.454
HY-80	9.584	16.524	0.954	12.440	3.085	0.000	0.045	26.108
IMPACT7	9.584	5.751	0.818	0.000	4.800	0.000	0.134	15.335
MicroTec2W65	9.584	0.630	0.000	0.000	0.000	0.398	0.232	10.214
MicroTec2W70	9.584	0.715	0.000	0.000	0.000	0.447	0.268	10.299



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MicroTec2W75	9.584	1.013	0.000	0.000	0.000	0.746	0.268	10.597
MicroTec3M80C	9.584	0.739	0.091	0.000	0.000	0.398	0.250	10.323
MicroTec3M80H	9.584	0.905	0.000	0.000	0.000	0.646	0.259	10.489
MicroTec3M80T	9.584	0.905	0.000	0.000	0.000	0.646	0.259	10.489
MicroTec3M85	9.584	0.846	0.000	0.000	0.000	0.596	0.250	10.430
MicroTec3W75	9.584	1.100	0.000	0.000	0.000	0.895	0.205	10.684
MicroTec4M95	9.584	0.838	0.091	0.000	0.000	0.497	0.250	10.422
MicroTec4M95A	9.584	0.838	0.091	0.000	0.000	0.497	0.250	10.422
MicroTec5H85	9.584	0.635	0.000	0.000	0.000	0.497	0.138	10.219
Nit3	9.584	3.476	0.969	0.000	2.400	0.000	0.107	13.060
PS16	9.584	1.622	0.303	0.000	1.131	0.000	0.188	11.206
PS16M	9.584	1.672	0.348	0.000	1.131	0.000	0.192	11.256
PS55	9.584	13.353	0.333	7.897	4.971	0.000	0.152	22.937
PS55Ca2	9.584	13.353	0.333	7.897	4.971	0.000	0.152	22.937
PS55M	9.584	13.441	0.348	7.897	5.040	0.000	0.156	23.025
PS55M2	9.584	13.353	0.333	7.897	4.971	0.000	0.152	22.937
S30CDY7A	9.584	0.161	0.000	0.000	0.000	0.000	0.161	9.745
S38CX	9.584	1.279	0.000	0.000	1.131	0.000	0.147	10.863
S38MS1V	9.584	1.007	0.091	0.000	0.000	0.671	0.246	10.591
S38MS1VA	9.584	1.146	0.103	0.000	0.000	0.795	0.248	10.730
S38MS1V-L	9.584	1.007	0.091	0.000	0.000	0.671	0.246	10.591
S38MS1V-T	9.584	0.854	0.091	0.000	0.000	0.522	0.241	10.438
S40C-M	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
S40VCSS1	9.584	0.731	0.082	0.000	0.000	0.497	0.152	10.315
S45CVMn	9.584	0.935	0.091	0.000	0.000	0.621	0.223	10.519



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
S53CG	9.584	0.134	0.000	0.000	0.000	0.000	0.134	9.718
SCM420H	9.584	2.480	0.636	0.000	1.714	0.000	0.129	12.064
SCR15	9.584	0.765	0.636	0.000	0.000	0.000	0.129	10.349
SCR440H	9.584	0.765	0.636	0.000	0.000	0.000	0.129	10.349
SPG21CF	9.584	3.838	0.303	0.000	3.428	0.000	0.107	13.422
SV40CL1	9.584	0.733	0.091	0.000	0.000	0.522	0.121	10.317
SVh40C	9.584	0.432	0.000	0.000	0.000	0.298	0.134	10.016
SW85	9.584	0.846	0.000	0.000	0.000	0.596	0.250	10.430
TIM6V	9.584	0.815	0.000	0.000	0.000	0.547	0.268	10.399
VacTec400	9.584	4.191	0.500	1.406	2.057	0.000	0.228	13.775
WHS100	9.584	4.699	0.469	2.380	1.371	0.273	0.205	14.283
WHS130	9.584	10.004	0.485	7.681	1.714	0.000	0.125	19.588
ZF7B	9.584	0.959	0.727	0.000	0.000	0.000	0.232	10.543