



Surcharge List - November 2021 Data

Effective Nov 1, 2021 through Nov 30, 2021

Published October 12, 2021

(\$/CWT)

Scrap Surcharge:
\$23.750/CWT

Energy Surcharge:
Bars*: \$0.506/CWT Tubes*: \$0.690/CWT
*Not included in Total below

Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
1010	23.750	0.427	0.000	0.000	0.000	0.000	0.427	24.177
1015	23.750	0.427	0.000	0.000	0.000	0.000	0.427	24.177
1018	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1020	23.750	0.427	0.000	0.000	0.000	0.000	0.427	24.177
1022	23.750	0.806	0.000	0.000	0.000	0.000	0.806	24.556
1025	23.750	0.427	0.000	0.000	0.000	0.000	0.427	24.177
1026	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1028	23.750	0.882	0.000	0.000	0.000	0.000	0.882	24.632
1029	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1030	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1035	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1038	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1040	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1042	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1043	23.750	0.806	0.000	0.000	0.000	0.000	0.806	24.556
1045	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1050	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1053	23.750	0.806	0.000	0.000	0.000	0.000	0.806	24.556
1055	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1060	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1080	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1090	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1117	23.750	1.091	0.000	0.000	0.000	0.000	1.091	24.841
1137	23.750	1.423	0.000	0.000	0.000	0.000	1.423	25.173
1141	23.750	1.423	0.000	0.000	0.000	0.000	1.423	25.173



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
1144	23.750	1.423	0.000	0.000	0.000	0.000	1.423	25.173
1340	23.750	1.660	0.000	0.000	0.000	0.000	1.660	25.410
1516	23.750	1.352	0.000	0.000	0.000	0.000	1.352	25.102
1522	23.750	1.186	0.000	0.000	0.000	0.000	1.186	24.936
1552	23.750	1.281	0.000	0.000	0.000	0.000	1.281	25.031
1566	23.750	0.949	0.000	0.000	0.000	0.000	0.949	24.699
3310	23.750	26.225	2.783	22.944	0.000	0.000	0.498	49.975
3311	23.750	25.885	2.562	22.944	0.000	0.000	0.379	49.635
4023	23.750	5.901	0.000	0.000	5.142	0.000	0.759	29.651
4027	23.750	5.901	0.000	0.000	5.142	0.000	0.759	29.651
4118	23.750	4.008	0.884	0.000	2.365	0.000	0.759	27.758
4120	23.750	5.273	0.884	0.000	3.394	0.000	0.996	29.023
4121	23.750	6.944	0.972	0.000	5.142	0.000	0.830	30.694
4130	23.750	6.267	1.679	0.000	4.114	0.000	0.474	30.017
4135	23.750	6.551	1.679	0.000	4.114	0.000	0.759	30.301
4140	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4142	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4145	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4150	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4319	23.750	18.230	0.884	11.636	5.142	0.000	0.569	41.980
4320	23.750	18.511	0.884	11.963	5.142	0.000	0.522	42.261
4340	23.750	19.207	1.414	11.963	5.142	0.000	0.688	42.957
4350	23.750	19.142	1.325	11.963	5.142	0.000	0.711	42.892
4619	23.750	18.157	0.530	11.963	5.142	0.000	0.522	41.907
4715	23.750	18.101	0.972	5.572	10.798	0.000	0.759	41.851



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
4820	23.750	28.655	0.000	22.944	5.142	0.000	0.569	52.405
5046	23.750	1.316	0.486	0.000	0.000	0.000	0.830	25.066
5060	23.750	1.714	0.884	0.000	0.000	0.000	0.830	25.464
5120	23.750	2.173	1.414	0.000	0.000	0.000	0.759	25.923
5130	23.750	2.438	1.679	0.000	0.000	0.000	0.759	26.188
5135	23.750	2.299	1.635	0.000	0.000	0.000	0.664	26.049
5150	23.750	2.173	1.414	0.000	0.000	0.000	0.759	25.923
5160	23.750	2.244	1.414	0.000	0.000	0.000	0.830	25.994
5165	23.750	2.244	1.414	0.000	0.000	0.000	0.830	25.994
5219	23.750	2.382	1.149	0.000	0.000	0.000	1.233	26.132
6150	23.750	4.344	1.679	0.000	0.000	1.906	0.759	28.094
8019	23.750	3.935	1.016	0.000	2.160	0.000	0.759	27.685
8119	23.750	6.908	1.060	2.130	2.674	0.000	1.043	30.658
8219	23.750	7.232	1.060	2.130	2.880	0.000	1.162	30.982
8319	23.750	8.055	1.060	2.130	3.702	0.000	1.162	31.805
8617	23.750	9.361	0.884	3.605	4.114	0.000	0.759	33.111
8620	23.750	9.361	0.884	3.605	4.114	0.000	0.759	33.111
8625	23.750	9.361	0.884	3.605	4.114	0.000	0.759	33.111
8630	23.750	9.361	0.884	3.605	4.114	0.000	0.759	33.111
8640	23.750	9.433	0.884	3.605	4.114	0.000	0.830	33.183
8740	23.750	10.461	0.884	3.605	5.142	0.000	0.830	34.211
8822	23.750	12.518	0.884	3.605	7.199	0.000	0.830	36.268
9260	23.750	0.830	0.000	0.000	0.000	0.000	0.830	24.580
9310	23.750	26.312	2.121	21.305	2.365	0.000	0.522	50.062
9840	23.750	13.870	1.414	6.555	5.142	0.000	0.759	37.620



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
52100	23.750	2.939	2.607	0.000	0.000	0.000	0.332	26.689
1010M+Ti	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1020V3	23.750	1.377	0.000	0.000	0.000	0.381	0.996	25.127
1022M	23.750	0.925	0.000	0.000	0.000	0.000	0.925	24.675
1026HS	23.750	1.537	0.000	0.000	0.000	0.826	0.711	25.287
1045H	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
1050M1	23.750	1.020	0.000	0.000	0.000	0.000	1.020	24.770
1050M2	23.750	0.901	0.000	0.000	0.000	0.000	0.901	24.651
1050MV	23.750	0.966	0.000	0.000	0.000	0.254	0.711	24.716
1060M	23.750	0.664	0.000	0.000	0.000	0.000	0.664	24.414
1070M	23.750	0.901	0.000	0.000	0.000	0.000	0.901	24.651
1080M	23.750	0.707	0.000	0.000	0.000	0.000	0.707	24.457
10B36	23.750	1.186	0.000	0.000	0.000	0.000	1.186	24.936
10B41	23.750	0.901	0.000	0.000	0.000	0.000	0.901	24.651
10V40M	23.750	1.798	0.000	0.000	0.000	0.826	0.972	25.548
10V45	23.750	2.109	0.000	0.000	0.000	1.398	0.711	25.859
1141V	23.750	2.503	0.000	0.000	0.000	1.080	1.423	26.253
1516CbV1	23.750	2.210	0.000	0.000	0.000	0.953	1.257	25.960
1517VCbCa2	23.750	1.328	0.000	0.000	0.000	0.318	1.010	25.078
1518CbV	23.750	2.009	0.221	0.000	0.000	0.635	1.153	25.759
1518VCa2	23.750	1.543	0.000	0.000	0.000	0.381	1.162	25.293
1519V	23.750	1.215	0.000	0.000	0.000	0.191	1.024	24.965
1519VCbCa2	23.750	1.900	0.000	0.000	0.000	0.889	1.010	25.650
1520VNb	23.750	1.894	0.000	0.000	0.000	0.699	1.195	25.644
1538M	23.750	1.138	0.000	0.000	0.000	0.000	1.138	24.888



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1552M1	23.750	1.423	0.000	0.000	0.000	0.000	1.423	25.173
15B23MoV	23.750	3.724	0.265	0.000	1.543	0.635	1.281	27.474
15B29	23.750	1.209	0.000	0.000	0.000	0.000	1.209	24.959
15B37H	23.750	1.186	0.000	0.000	0.000	0.000	1.186	24.936
15B41H	23.750	1.423	0.000	0.000	0.000	0.000	1.423	25.173
15CrMo5	23.750	8.075	2.032	0.000	5.142	0.000	0.901	31.825
15CrMoV6	23.750	25.019	2.430	0.000	18.511	3.176	0.901	48.769
15V10M	23.750	3.942	0.000	0.000	1.543	0.953	1.447	27.692
15V20	23.750	3.409	0.000	0.000	0.000	2.224	1.186	27.159
17-22-AS	23.750	16.191	2.209	0.000	10.284	3.176	0.522	39.941
17-22-AV	23.750	24.004	2.209	0.000	10.284	10.800	0.711	47.754
17CrNiMo6	23.750	19.911	2.916	10.161	6.170	0.000	0.664	43.661
18CrNiMo7-6	23.750	19.911	2.916	10.161	6.170	0.000	0.664	43.661
2.25Cr1Mo	23.750	24.971	3.976	0.000	20.568	0.000	0.427	48.721
20MnCr5	23.750	3.218	2.032	0.000	0.000	0.000	1.186	26.968
20MoCr4M	23.750	10.830	0.839	0.000	9.256	0.000	0.735	34.580
23MnNiMoCr5-4	23.750	19.937	0.884	6.555	11.313	0.000	1.186	43.687
25MoCr4	23.750	11.006	1.458	0.000	8.742	0.000	0.806	34.756
31CrMoV9	23.750	10.959	4.418	0.000	4.114	1.906	0.522	34.709
34CrNiMo6V	23.750	19.294	2.916	10.816	4.628	0.318	0.617	43.044
36CrNiMo4	23.750	13.983	1.856	6.883	4.628	0.000	0.617	37.733
38MnS6BY	23.750	1.641	0.265	0.000	0.000	0.000	1.375	25.391
38MnS6ICI	23.750	1.617	0.265	0.000	0.000	0.000	1.352	25.367
38MnS6MOD	23.750	1.593	0.265	0.000	0.000	0.000	1.328	25.343



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38MnS6VBYMod	23.750	2.037	0.177	0.000	0.000	0.508	1.352	25.787
38MNVMod	23.750	2.551	0.000	0.000	0.000	1.271	1.281	26.301
38MnVS6MOD	23.750	3.998	0.000	0.000	0.000	3.049	0.949	27.748
40CrNiMoA	23.750	16.558	1.414	10.161	4.319	0.000	0.664	40.308
4118H	23.750	4.008	0.884	0.000	2.365	0.000	0.759	27.758
4121M	23.750	7.815	1.281	0.000	5.656	0.000	0.877	31.565
4121M1	23.750	9.197	1.635	0.000	6.685	0.000	0.877	32.947
4121M2	23.750	9.197	1.635	0.000	6.685	0.000	0.877	32.947
4121M2.5	23.750	7.491	1.590	0.000	5.142	0.000	0.759	31.241
4128VMTi	23.750	12.156	3.181	0.000	7.199	1.207	0.569	35.906
4130H	23.750	6.311	1.723	0.000	4.114	0.000	0.474	30.061
4130HW	23.750	8.508	1.856	1.147	4.628	0.356	0.522	32.258
4130M7Ca4	23.750	17.495	2.386	0.000	14.398	0.000	0.711	41.245
4130MNi4V	23.750	10.550	2.032	2.950	4.628	0.229	0.711	34.300
4130MODSS	23.750	17.605	1.767	0.000	14.912	0.546	0.379	41.355
4130MVCbTi	23.750	10.265	1.900	0.000	6.685	1.016	0.664	34.015
4130Ni	23.750	7.691	1.811	0.983	4.422	0.000	0.474	31.441
4130NiNb	23.750	8.507	1.856	1.311	4.628	0.191	0.522	32.257
4130NiV	23.750	8.545	1.856	1.311	4.628	0.229	0.522	32.295
4130NiVCa4	23.750	8.128	1.944	1.311	4.114	0.191	0.569	31.878
4130V	23.750	7.065	1.900	0.000	4.114	0.483	0.569	30.815
4130V2	23.750	8.806	1.900	0.000	4.114	2.224	0.569	32.556
4135H	23.750	6.595	1.723	0.000	4.114	0.000	0.759	30.345
4137MCbCa4	23.750	9.006	1.856	0.000	6.273	0.000	0.877	32.756



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4137MVCa4	23.750	9.926	1.856	0.000	6.685	0.508	0.877	33.676
4140Ca1	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4140Ca2	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4140Ca4	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4140H	23.750	6.667	1.723	0.000	4.114	0.000	0.830	30.417
4140HW	23.750	8.849	1.856	1.147	4.628	0.318	0.901	32.599
4140MV	23.750	11.263	1.767	0.000	7.713	0.953	0.830	35.013
4140Nb	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4140Se	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4140V	23.750	7.131	1.679	0.000	4.114	0.508	0.830	30.881
4140Vnb	23.750	8.087	1.679	1.147	4.114	0.318	0.830	31.837
4140Vnb	23.750	8.087	1.679	1.147	4.114	0.318	0.830	31.837
4142H	23.750	6.667	1.723	0.000	4.114	0.000	0.830	30.417
4143V	23.750	7.559	1.767	0.000	4.628	0.381	0.783	31.309
4145H	23.750	6.667	1.723	0.000	4.114	0.000	0.830	30.417
4145HS	23.750	9.367	1.811	0.000	6.170	0.508	0.877	33.117
4145M	23.750	7.831	1.811	0.000	5.142	0.000	0.877	31.581
4145M3CbTiCa4	23.750	9.445	1.811	0.000	6.685	0.000	0.949	33.195
4145M3VCb	23.750	9.446	1.900	0.000	6.170	0.356	1.020	33.196
4145M4	23.750	11.041	1.723	0.000	8.227	0.000	1.091	34.791
4145M4CA4	23.750	11.041	1.723	0.000	8.227	0.000	1.091	34.791
4145MCa2	23.750	7.831	1.811	0.000	5.142	0.000	0.877	31.581
4145MCa4	23.750	8.788	1.811	0.000	6.170	0.000	0.806	32.538
4150Ca1	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4150H	23.750	6.667	1.723	0.000	4.114	0.000	0.830	30.417



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4150HTe	23.750	6.667	1.723	0.000	4.114	0.000	0.830	30.417
4150MR	23.750	6.394	1.237	0.000	4.114	0.000	1.043	30.144
4150R	23.750	6.622	1.679	0.000	4.114	0.000	0.830	30.372
4161H	23.750	8.414	1.414	0.000	6.170	0.000	0.830	32.164
41B17M	23.750	5.080	0.928	0.000	3.085	0.000	1.067	28.830
41B27	23.750	6.346	1.679	0.000	4.216	0.000	0.451	30.096
41B28M4NBCA4	23.750	11.853	1.767	0.000	9.256	0.356	0.474	35.603
41B30M1	23.750	5.412	0.928	0.000	3.394	0.000	1.091	29.162
41B45M	23.750	5.163	0.884	0.000	3.188	0.000	1.091	28.913
42CrMo4	23.750	7.195	1.856	0.000	4.628	0.000	0.711	30.945
42CrMo4+Ni+V	23.750	11.627	1.944	2.622	5.142	1.207	0.711	35.377
4320H	23.750	18.183	0.884	11.636	5.142	0.000	0.522	41.933
4320M9	23.750	33.937	0.884	11.963	20.568	0.000	0.522	57.687
4320Mcr	23.750	18.903	1.414	11.636	5.142	0.000	0.711	42.653
4330NiMo5VCa4	23.750	29.151	1.679	15.405	10.284	0.953	0.830	52.901
4330VCb	23.750	25.701	1.635	12.619	9.770	0.800	0.877	49.451
4332CR12	23.750	18.179	2.121	9.833	5.656	0.000	0.569	41.929
4332MVCa2	23.750	30.637	1.944	17.699	8.742	1.588	0.664	54.387
4340Ca2	23.750	19.231	1.414	11.963	5.142	0.000	0.711	42.981
4340Ca4	23.750	19.231	1.414	11.963	5.142	0.000	0.711	42.981
4340CAR	23.750	19.231	1.414	11.963	5.142	0.000	0.711	42.981
4340H	23.750	18.903	1.414	11.636	5.142	0.000	0.711	42.653
4340V	23.750	19.802	1.414	11.963	5.142	0.572	0.711	43.552
4350M1	23.750	17.098	1.414	8.850	6.170	0.000	0.664	40.848
43B17	23.750	18.534	0.884	11.963	5.142	0.000	0.545	42.284



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44MnSiVS6	23.750	3.787	0.442	0.000	0.000	1.969	1.375	27.537
4715Ca2	23.750	18.101	0.972	5.572	10.798	0.000	0.759	41.851
4715Ca4	23.750	18.167	0.972	5.638	10.798	0.000	0.759	41.917
4715VCa2	23.750	18.609	0.972	5.572	10.798	0.508	0.759	42.359
4815Ca4	23.750	28.560	0.000	22.944	5.142	0.000	0.474	52.310
4815MCA2	23.750	30.949	0.000	22.944	7.199	0.000	0.806	54.699
4815MCA2	23.750	30.949	0.000	22.944	7.199	0.000	0.806	54.699
4817H	23.750	28.560	0.000	22.944	5.142	0.000	0.474	52.310
4820H	23.750	28.655	0.000	22.944	5.142	0.000	0.569	52.405
5016NiV	23.750	4.078	0.353	1.835	0.000	0.940	0.949	27.828
5046H	23.750	1.325	0.495	0.000	0.000	0.000	0.830	25.075
5046M	23.750	2.189	0.486	0.000	0.000	0.826	0.877	25.939
5059Ni	23.750	3.437	0.442	1.311	0.926	0.000	0.759	27.187
50B25	23.750	1.574	0.530	0.000	0.000	0.000	1.043	25.324
50B32M	23.750	3.185	0.663	0.000	1.337	0.000	1.186	26.935
5120H	23.750	2.173	1.414	0.000	0.000	0.000	0.759	25.923
5120M	23.750	2.899	1.856	0.000	0.000	0.000	1.043	26.649
5130H	23.750	2.482	1.723	0.000	0.000	0.000	0.759	26.232
5132RM	23.750	3.804	1.856	0.000	0.000	0.953	0.996	27.554
5160H	23.750	2.244	1.414	0.000	0.000	0.000	0.830	25.994
5160Te	23.750	2.539	1.590	0.000	0.000	0.000	0.949	26.289
8617H	23.750	9.338	0.884	3.605	4.114	0.000	0.735	33.088
8620Ca1	23.750	9.361	0.884	3.605	4.114	0.000	0.759	33.111
8620H	23.750	9.338	0.884	3.605	4.114	0.000	0.735	33.088
8620M7	23.750	9.338	0.884	3.605	4.114	0.000	0.735	33.088



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8620Te	23.750	10.375	1.007	3.933	4.628	0.000	0.806	34.125
8622H	23.750	9.338	0.884	3.605	4.114	0.000	0.735	33.088
8627H	23.750	9.338	0.884	3.605	4.114	0.000	0.735	33.088
8630H	23.750	9.338	0.884	3.605	4.114	0.000	0.735	33.088
8630MCA2	23.750	14.288	1.414	4.916	7.199	0.000	0.759	38.038
8630MCA4	23.750	14.288	1.414	4.916	7.199	0.000	0.759	38.038
8630MVCA2	23.750	17.164	1.679	5.572	8.742	0.318	0.854	40.914
8630MVCAR	23.750	17.164	1.679	5.572	8.742	0.318	0.854	40.914
8640H	23.750	9.433	0.884	3.605	4.114	0.000	0.830	33.183
86B20H	23.750	9.852	0.884	3.605	4.628	0.000	0.735	33.602
8719M	23.750	10.579	0.884	4.261	4.628	0.000	0.806	34.329
8720Ca4	23.750	10.390	0.884	3.605	5.142	0.000	0.759	34.140
8720M2	23.750	9.661	0.972	3.769	4.114	0.000	0.806	33.411
8740H	23.750	10.461	0.884	3.605	5.142	0.000	0.830	34.211
8822H	23.750	12.518	0.884	3.605	7.199	0.000	0.830	36.268
8829M7CbTiCa4	23.750	24.995	1.414	5.244	17.483	0.000	0.854	48.745
9310H	23.750	26.357	2.165	21.305	2.365	0.000	0.522	50.107
9313MCA4	23.750	26.999	2.562	21.305	2.468	0.000	0.664	50.749
9323M	23.750	34.140	2.209	24.582	6.685	0.000	0.664	57.890
9325M1	23.750	33.507	1.767	22.944	8.227	0.000	0.569	57.257
9Cr1Mo	23.750	36.899	15.904	0.000	20.568	0.000	0.427	60.649
A485-1	23.750	2.875	1.856	0.000	0.000	0.000	1.020	26.625
A485-2	23.750	4.298	2.827	0.000	0.000	0.000	1.470	28.048
A485-3	23.750	8.174	2.297	0.000	5.142	0.000	0.735	31.924
A485-B6	23.750	9.501	3.181	0.000	5.656	0.000	0.664	33.251



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A485-B7	23.750	13.101	3.181	0.000	9.256	0.000	0.664	36.851
AF9628	23.750	32.993	4.683	6.883	19.540	1.271	0.617	56.743
C38+N2	23.750	1.617	0.265	0.000	0.000	0.000	1.352	25.367
C38Mod	23.750	2.840	0.265	0.000	0.000	1.271	1.304	26.590
CrMo	23.750	13.940	2.209	0.000	11.210	0.000	0.522	37.690
CrMoV4	23.750	19.525	1.944	0.000	13.575	3.176	0.830	43.275
CrMoV6	23.750	12.905	1.723	0.000	7.199	3.176	0.806	36.655
CTC4162-130	23.750	7.947	1.811	1.311	4.114	0.000	0.711	31.697
CTC4162-140	23.750	7.947	1.811	1.311	4.114	0.000	0.711	31.697
EN27	23.750	26.367	2.253	18.355	5.142	0.000	0.617	50.117
EN30B	23.750	35.730	2.209	26.877	6.170	0.000	0.474	59.480
EN30BMod	23.750	39.639	2.430	27.041	8.742	0.953	0.474	63.389
En355	23.750	20.485	2.739	13.111	4.114	0.000	0.522	44.235
EN40B	23.750	16.525	5.743	0.000	10.284	0.000	0.498	40.275
EX25	23.750	6.944	0.972	0.000	5.142	0.000	0.830	30.694
EX4	23.750	3.345	0.972	0.000	1.543	0.000	0.830	27.095
HF1	23.750	1.660	0.000	0.000	0.000	0.000	1.660	25.410
HS220-18	23.750	22.001	0.530	11.963	8.227	0.000	1.281	45.751
HS220-18S	23.750	22.001	0.530	11.963	8.227	0.000	1.281	45.751
HS220-27	23.750	24.034	1.546	11.963	8.742	0.953	0.830	47.784
HS220-27Ca2	23.750	24.034	1.546	11.963	8.742	0.953	0.830	47.784
HS220-27CA4	23.750	24.034	1.546	11.963	8.742	0.953	0.830	47.784
HS220-27Ca4	23.750	24.034	1.546	11.963	8.742	0.953	0.830	47.784
HS220-27CAR	23.750	24.034	1.546	11.963	8.742	0.953	0.830	47.784
HY-80	23.750	31.123	2.783	18.846	9.256	0.000	0.237	54.873



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IMPACT7	23.750	17.495	2.386	0.000	14.398	0.000	0.711	41.245
MicroTec2W65	23.750	2.250	0.000	0.000	0.000	1.016	1.233	26.000
MicroTec2W70	23.750	2.566	0.000	0.000	0.000	1.144	1.423	26.316
MicroTec2W75	23.750	3.329	0.000	0.000	0.000	1.906	1.423	27.079
MicroTec3M80C	23.750	2.610	0.265	0.000	0.000	1.016	1.328	26.360
MicroTec3M80H	23.750	3.027	0.000	0.000	0.000	1.652	1.375	26.777
MicroTec3M80T	23.750	3.027	0.000	0.000	0.000	1.652	1.375	26.777
MicroTec3M85	23.750	2.853	0.000	0.000	0.000	1.525	1.328	26.603
MicroTec3W75	23.750	3.378	0.000	0.000	0.000	2.287	1.091	27.128
MicroTec4M95	23.750	2.864	0.265	0.000	0.000	1.271	1.328	26.614
MicroTec4M95A	23.750	2.864	0.265	0.000	0.000	1.271	1.328	26.614
MicroTec5H85	23.750	2.006	0.000	0.000	0.000	1.271	0.735	25.756
Nit3	23.750	10.595	2.827	0.000	7.199	0.000	0.569	34.345
PS16	23.750	5.273	0.884	0.000	3.394	0.000	0.996	29.023
PS16M	23.750	5.430	1.016	0.000	3.394	0.000	1.020	29.180
PS55	23.750	28.654	0.972	11.963	14.912	0.000	0.806	52.404
PS55Ca2	23.750	28.654	0.972	11.963	14.912	0.000	0.806	52.404
PS55M	23.750	28.927	1.016	11.963	15.118	0.000	0.830	52.677
PS55M2	23.750	28.654	0.972	11.963	14.912	0.000	0.806	52.404
S30CDY7A	23.750	0.854	0.000	0.000	0.000	0.000	0.854	24.604
S38CX	23.750	4.176	0.000	0.000	3.394	0.000	0.783	27.926
S38MS1V	23.750	3.285	0.265	0.000	0.000	1.715	1.304	27.035
S38MS1VA	23.750	3.652	0.300	0.000	0.000	2.033	1.319	27.402
S38MS1V-L	23.750	3.285	0.265	0.000	0.000	1.715	1.304	27.035
S38MS1V-T	23.750	2.880	0.265	0.000	0.000	1.334	1.281	26.630



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
S40C-M	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
S40VCSS1	23.750	2.315	0.239	0.000	0.000	1.271	0.806	26.065
S45CVMn	23.750	3.039	0.265	0.000	0.000	1.588	1.186	26.789
S53CG	23.750	0.711	0.000	0.000	0.000	0.000	0.711	24.461
SCM420H	23.750	7.685	1.856	0.000	5.142	0.000	0.688	31.435
SCR15	23.750	2.543	1.856	0.000	0.000	0.000	0.688	26.293
SCR440H	23.750	2.543	1.856	0.000	0.000	0.000	0.688	26.293
SPG21CF	23.750	11.737	0.884	0.000	10.284	0.000	0.569	35.487
SV40CL1	23.750	2.239	0.265	0.000	0.000	1.334	0.640	25.989
SVh40C	23.750	1.474	0.000	0.000	0.000	0.762	0.711	25.224
SW85	23.750	2.853	0.000	0.000	0.000	1.525	1.328	26.603
TIM6V	23.750	2.821	0.000	0.000	0.000	1.398	1.423	26.571
VacTec400	23.750	10.968	1.458	2.130	6.170	0.000	1.209	34.718
WHS100	23.750	10.878	1.370	3.605	4.114	0.699	1.091	34.628
WHS130	23.750	18.855	1.414	11.636	5.142	0.000	0.664	42.605
WHS130Ca4	23.750	18.855	1.414	11.636	5.142	0.000	0.664	42.605
ZF7B	23.750	3.354	2.121	0.000	0.000	0.000	1.233	27.104