

Sandvik Surcharge Calculation

One Month Prior Element Average (\$/lb.)

	4/16/19 - 5/15/19	5/16/19 - 6/15/19	6/16/19 - 7/15/19	7/16/19 - 8/15/19	8/16/19 - 9/15/19	9/16/19 - 10/15/19
Cr	\$1.200	\$1.200	\$1.116	\$1.040	\$1.040	\$1.030
Ni	\$5.540	\$5.400	\$5.620	\$6.690	\$7.740	\$7.950
Mo	\$13.000	\$12.850	\$12.640	\$12.460	\$12.360	\$11.990
Fe	\$0.128	\$0.125	\$0.120	\$0.121	\$0.110	\$0.093

Monthly Surcharges (\$/lb.)

	Sep-19		Oct-19		Nov-19	
	HF	CF	HF	CF	HF	CF
303	\$0.42	\$0.50	\$0.56	\$0.66	\$0.57	\$0.67
304L	\$0.42	\$0.50	\$0.56	\$0.66	\$0.57	\$0.67
321	\$0.42	\$0.50	\$0.56	\$0.66	\$0.57	\$0.67
347	\$0.42	\$0.50	\$0.56	\$0.66	\$0.57	\$0.67
2507	\$0.79	\$0.93	\$0.88	\$1.03	\$0.86	\$1.01
316L	\$0.73	\$0.86	\$0.89	\$1.05	\$0.90	\$1.06
3R60	\$0.75	\$0.89	\$0.92	\$1.08	\$0.93	\$1.09
310	\$0.72	\$0.85	\$1.00	\$1.18	\$1.04	\$1.22
2205	\$0.66	\$0.77	\$0.72	\$0.85	\$0.70	\$0.83
317L	\$0.86	\$1.01	\$1.03	\$1.21	\$1.03	\$1.21
600	\$1.74	\$2.05	\$2.76	\$3.24	\$2.95	\$3.48
800	\$0.89	\$1.05	\$1.33	\$1.56	\$1.41	\$1.65
825	\$1.40	\$1.64	\$1.95	\$2.29	\$2.03	\$2.39
Alloy 20	\$1.23	\$1.44	\$1.71	\$2.01	\$1.78	\$2.10
400	\$1.54	\$1.81	\$2.48	\$2.91	\$2.66	\$3.12
625	\$2.54	\$2.99	\$3.40	\$4.00	\$3.52	\$4.15
904L	\$1.25	\$1.47	\$1.59	\$1.87	\$1.63	\$1.91
2304	\$0.35	\$0.41	\$0.40	\$0.47	\$0.40	\$0.47
253MA	\$0.44	\$0.52	\$0.58	\$0.69	\$0.60	\$0.70
28//	\$1.28	\$1.51	\$1.71	\$2.01	\$1.77	\$2.08
2RE10	\$0.68	\$0.79	\$0.95	\$1.12	\$1.00	\$1.17
2RE69	\$0.93	\$1.09	\$1.22	\$1.44	\$1.26	\$1.48
3RE60	\$0.59	\$0.69	\$0.65	\$0.76	\$0.63	\$0.74
601	\$1.51	\$1.77	\$2.34	\$2.76	\$2.50	\$2.95
HP160	\$0.69	\$0.81	\$0.81	\$0.96	\$0.81	\$0.96
71	\$1.77	\$2.08	\$2.80	\$3.29	\$3.00	\$3.53
80	\$0.68	\$0.79	\$0.80	\$0.94	\$0.80	\$0.94
200	\$2.23	\$2.62	\$3.62	\$4.25	\$3.89	\$4.58
309	\$0.51	\$0.61	\$0.70	\$0.82	\$0.72	\$0.85
330	\$0.95	\$1.12	\$1.44	\$1.70	\$1.53	\$1.80
446	\$0.23	\$0.27	\$0.22	\$0.26	\$0.20	\$0.24
690	\$1.54	\$1.81	\$2.38	\$2.80	\$2.54	\$2.99
702	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2707	\$0.90	\$1.06	\$0.97	\$1.15	\$0.95	\$1.12
2906	\$0.61	\$0.72	\$0.69	\$0.81	\$0.68	\$0.80
21.6.9	\$0.41	\$0.49	\$0.49	\$0.58	\$0.49	\$0.58
254SMO	\$1.25	\$1.47	\$1.49	\$1.75	\$1.49	\$1.76
316LVAR	\$0.79	\$0.93	\$0.98	\$1.15	\$0.98	\$1.16
353MA	\$0.98	\$1.15	\$1.46	\$1.72	\$1.55	\$1.82
HAST C276	\$3.11	\$3.66	\$3.87	\$4.55	\$3.94	\$4.64
NANOFLEX	\$0.79	\$0.93	\$0.90	\$1.06	\$0.89	\$1.04
SAFUREX	\$0.61	\$0.72	\$0.69	\$0.81	\$0.68	\$0.80
316Ti	\$0.67	\$0.78	\$0.82	\$0.97	\$0.83	\$0.98
410	\$0.17	\$0.20	\$0.16	\$0.19	\$0.14	\$0.17
SA29	\$1.39	\$1.64	\$1.82	\$2.15	\$1.88	\$2.21
SAN23	\$1.34	\$1.58	\$1.64	\$1.93	\$1.66	\$1.95
Nitronic 50	\$0.72	\$0.85	\$0.88	\$1.04	\$0.89	\$1.05
316LVM		\$2.18		\$2.40		\$2.45