2023 AIST Basic Oxygen Furnace Roundup

Roundup data is based on information submitted in the third quarter of 2022.

Company and location	Product	Year of start-up/ modernization	Furnace type	Annual capacity (million metric tons per year)	No. of converters	New working volume (m^3)	Heat size (mt/ heat)	Avg. campaign life (heats)
Argentina								
Ternium Argentina San Nicolas, BA	Carbon/flat	1973	LD	3.2	3	156	216	3,850
Australia								
BlueScope Steel Ltd. Port Kembla Works Port Kembla, NSW	Carbon, IF/flat	1972	LD	3.3	2	220	280	6,200
Liberty Primary Steel Whyalla Steelworks Whyalla, SA	Carbon/long	1964	LD	1.2	2	100	130	2,800
Belgium								
ArcelorMittal Europe Gent	Carbon/flat	1967/1978/ 2013/2020	LD	5.6	2	240	330	3,500
Brazil								
Aços Verdes do Brasil (AVB) Açailândia, MA	Carbon/coil and bar	2015	LD	0.8	1	47	65	10,000
ArcelorMittal Monlevade João Monlevade, MG	Carbon/long	1957/1985	LD	1.2	2	98	130	3,500
Tubarão Vitória, ES	Carbon/flat	1983	LD	7.5	3	220 (No. 1 and No. 2), 280 (No. 3)	315	4,200
Companhia Siderúgica Nacional (CSN) Presidente Vargas Steelworks Volta Redonda, RJ	Carbon/flat	1977	LD	5.6	3	189	230	4,500
Gerdau Açominas Ouro Branco, MG	Carbon/flat, bar	1986	LD	4.0	2	177	224	4,300
Gerdau Barão de Cocais Barão de Cocais, MG	Carbon/bar	1979/2000	LD	0.3	1	23	30	4,000
Companhia Siderúrgica Pecém (CSP) São Gonçalo do Amarante, CE	Carbon/flat	2016	LD	3.0	2	270	300	–
Ternium Brasil Santa Cruz, RJ	Carbon/flat	2010	LD	5.2	2	327	342	4,000
Usiminas Intendente Câmara No. 1 Ipatinga, MG	Carbon/flat	1963/1981	LD	1.1	3	58	76	2,758
Câmara No. 2 Ipatinga, MG	Carbon/flat	1975	LD	3.4	2	132	167	4,276

* = idled; AHSS = advanced high-strength steel; IF = interstitial-free; KOBM = combined blowing basic oxygen furnace; KR = Kanbara reactor desulfurization;
Interested in becoming a member of the AIST Oxygen Steelmaking Technology Committee? Contact Brian Bliss at bbliss@aist.org.