Nodularity with carbides as per ISO 945

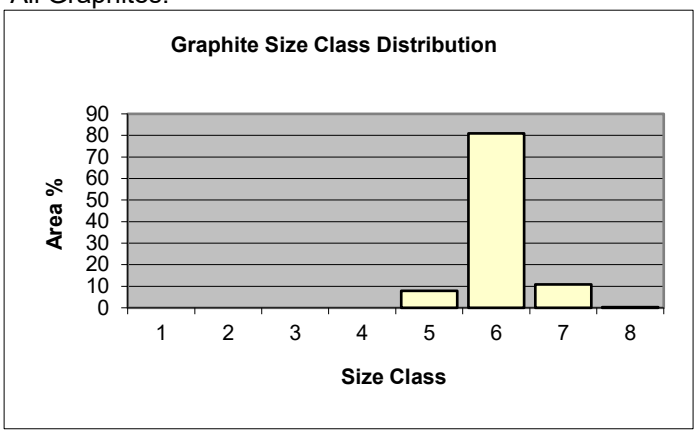
Date:	2026-Feb-18, 3:20:38 PM GMT-05:0	**Area (mic2):**	268325	**Mag.:**	#N/A
User:	…)	**Calibration:**	1.7699 µm/pixel	**Units:**	Microns
Sample ID:	BottomSocket-Fonte	**Nodularity by Count:**	92.31	**Graphite %:**	13.62
Fields:	1	**Nodularity by Area:**	98.17	**Pearlite %:**	86.28
Graphite main type (fixed):	VI	**JIS G 5502 Nodularity:**	91.28	**Ferrite %:**	0.10
Total rating (area%):	98 % , 2 % ?			**Pores %:**	0.00

All graphite:

Range (mic.)	Size Class	Count	Area %
> 1000	1	0	0
500 - 1000	2	0	0
250 - 500	3	0	0
120 - 250	4	0	0
60 - 120	5	14	8
30 - 60	6	18	81
15 - 30	7	5	11
0 - 15	8	2	0

All graphite mean Length:	35.22	µm
Corresponding Size Class:	6	
All graphite density:	145	1/mm
Count of all graphites:	39	
Nodules maximum Length:	63.938	µm
Corresponding Size Class:	5	
Nodules mean Length:	36.38	µm
Corresponding Size Class:	6	
Nodules density:	134	1/mm
Nodules count:	36	
Other graphite main type:	?	(manual)
Other types mean Length:	21.31	µm
Corresponding Size Class:	7	
Other types of graphite density:	11	1/mm
Other types of graphite count:	3	

All Graphites:



Nodules:

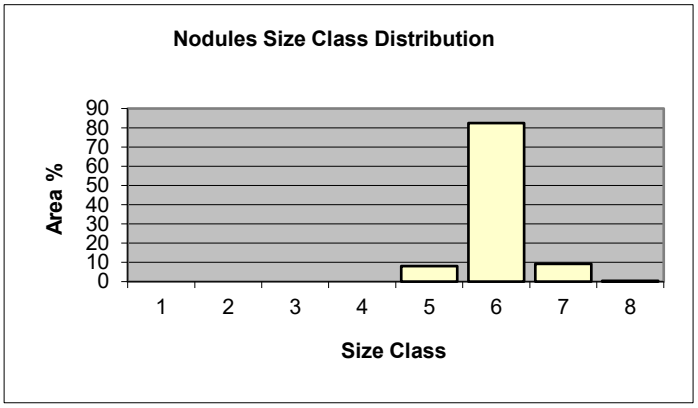


Figure 1: Typical field

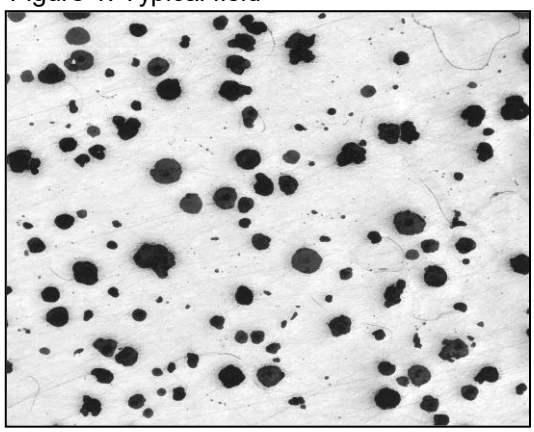
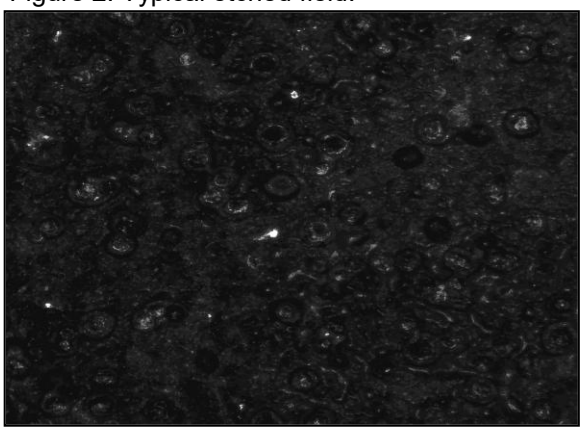


Figure 2: Typical etched field.



The current analysis has been added to the summary file.