



Cone Crusher Liners

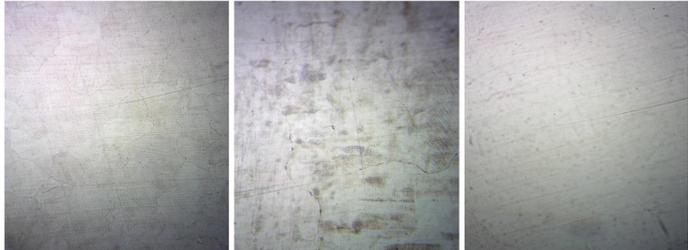
Quality Reports

A quality control report for a sandvik CH440 cone crusher liner was selected as an example.

Metallographic Analysis Report

QM-442.7225 Metallographic Analysis Report

Standard: GB/T 13925-2010 , GB/T 6394-2002 2019/5/21

Part Number	442.7225	Casting No.	4IE0901	Position	Surface
Technology	Hydraulic Toughness	Date	2019.6.14	Furnace No.	G-189
				Magnetism	Low
Test Item	Undissolved Carbide	Precipitated Carbides	Superheated Carbide	Grain Size	Nonmetallic Inclusion
Test Result	W1	X2	No	2	1A
Standard	⇒W3	⇒X3	⇒G2	±2	⇒3
Judgment	OK	OK	OK	OK	OK
					
Result	OK				
Remark	Material: Mn18Cr2. 2019/5/9 cast, cast temperature 1421°C.				

Metallographic Analysis Report

After completing the heat treatment of the cone crusher liner, our engineers have to check whether the metallographic organization of the liner reaches the standard, those item need check:

- Magnetism
- Undissolved Carbides
- Precipitated Carbides
- Superheated Carbides
- Grain Size
- Nonmetallic Inclusion

Chemical Composition Report

QM-442.7225 Chemical Composition Report

Part name	Cone Crusher Liner	Heat No	3IE0902
Part No	442.7225-02-4IE0901/2S	Inspector	
Material	Mn18Cr2	Section chief	

Chemical composition(%)

	C	Si	Mn	Cr	P	S
Standard	1.18~1.25	0.3~0.6	17.8~19.5	1.8~2.1	≤0.04	≤0.025
Practice	1.25	0.406	18.8	1.81	0.0372	0.0010

样品 : 3IE0902 Mn18Cr2
合金 : FE_000 模式 : PA 2019/5/10 0:17:04

	Fe	C	Si	Mn	P	S	Cr
1	77.2	1.25	0.412	18.7	0.0389	< 0.0010	1.80
2	77.1	1.25	0.399	18.8	0.0355	< 0.0010	1.81
平均值	77.2	1.25	0.406	18.8	0.0372	< 0.0010	1.81

	Mo	Ni	Al	Co	Cu	Nb	Ti
1	0.195	0.0225	0.0091	0.0147	0.0266	0.0240	0.0200
2	0.195	0.0206	0.0091	0.0137	0.0252	0.0240	0.0194
平均值	0.195	0.0215	0.0091	0.0142	0.0259	0.0240	0.0197

	V	W	Bb
1	0.0353	0.152	0.0662
2	0.0317	0.149	0.0638
平均值	0.0335	0.151	0.0640

2019/7/8 14:09

合格

Remark

OK

Date:2019.7.8

Chemical Composition Report

The chemical composition test of the cone crusher liner contains two aspects, one is the chemical composition test of the raw material before the furnace, to detect whether it meets the standards of the ingredients; the second is the chemical composition test after the casting, to detect whether all the chemical composition is up to standard, mainly manganese elements, carbon elements, chromium elements.