**CIC Luoyang Heavy Machinery Co.,Ltd** 

**Optimization and Modification Designing Feedback** 

JIN HE Abrasive Co..Ltd. purchased mill liner from other manufacturer and meet some

problems, we CIC analysis and solve the problems successfully.

Client: JIN HE Abrasive Co..Ltd.

Mill Specification: Φ5.5x2.4m

**Problems Description:** 

1) Cracking and arching deformation of mill liner was found after running the mill in a

few days.

2) Breakage of fixing bolt caused by the arching deformation of mill liner.

Reasons analysis:

1) The quality of mill liner is not qualified because the materil is not right. The

mechanical property of mill liner can not meet the mill working condition, so caused the

breakage of mill liner.

2) Wrong structure designing of mill liner.

Solution:

1) Adopt pearlite wear resistant chrome molybdenum as materil of mill liner HMCB

and HMCB02 series, the hardness standard is HB325-375, impact energy≥55J.

2) Design and transformation of shell liner according to the designing standard of

SAG mill liner.

3) Add the monitoring frequency of mill grinding sound, add the feeding timely when

the filling is not sufficient.

Feedback from the client:

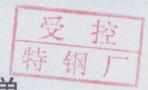
CIC did the optimization and modification of mill liners and solved the problems of mill liner

cracking and arching tranformation. The service life of mill liner is prolonged after

improving. We get a good reputation from our customer.

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## 质量信息反馈单

编号, 0/II 7210

- And J. 4/ JE:210	11. 4:			
责任部门金和耐磨有限	名司			
产品或零件名称 篇体补报	图	号		
氏具边版排冲				

煎、菜岭镇业有路铜中55×24m半月磨瓶、在这行过程中发生简本 计板断裂及变形 拱起现象, 固刻板拱起变形而拉断补板 紧固螺推、简体对板的裂驳的发生于对板方平板部仓大多 最裂效复穿衫板螺旋孔。部分裂效量非正常的脆性放射 秋爱效. 填表人: 姜 伟 日期: 15.2.1

原因分析: 17因对报制造质量不管格式是选材错误, 建含力学性能不能满足魔内 2 况要求导致对报告级。 (经验测现的对报为高键例

27 国科板设计结构错误恶化廉内工况导致科板损毁. 37魔机工下水况不正常造成钢球直接冲砸损额讨板.

责任部门责任人: 真强学 日期: 15、2.4

针对12选用珠光体耐魔铅钢钢板—HMCB的2硬度 纠正或预防措施: 林瑶为HB:375-575、冲击功从755丁, 是满足此工规的最先选材。 27 夜熙 军自魔机科板设计规范进行魔机简本科板设计及选工 确乎阿魔戒抛菇轨迹

责任部门责任人: 子如 日期: 15.2.4

经过我饲的 尼 化选材和优化设计等措的改造、彻底解决了 煎茶岭镇业 Ø对XX4半直廉机的 筒体衬板断裂、变形扶起的问 题. 并且有效延长了对板的使用寿命达半年以上,得到了煎 茶岭镇业有限的一致好评.

验证部门:张万九日期: 15.2.7