

소음에 대한 특수건강진단 및 작업환경측정 결과 분석

Analysis of Noise Special Medical Examination and Work Environment Monitoring results

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Key Words : Work Environment monitoring(작업환경측정), Special Medical Examination(특수건강진단), Exposure limit(노출기준), C1(소음성난청 요관찰자), D1(소음성난청 유소견자)

ABSTRACT

According to the analysis of special medical examination and work environment monitoring data, the rate of C1 and D1 on noise hazard exceeded 90% among those of total hazardous factors. The rate of company exceeding noise exposure limit was also more than 90%. The analysis result shows that main ages diagnosed with C1 and D1 was age of 50s. The majority scale company having workers diagnosed with C1 and D1 was the companies employing 5~49 workers.

Types of industries which have a large number of companies exceeding noise exposure limit were automobile and trailer manufacturing, metal processing industry and primary metal manufacturing. A large number of work processes exceeding noise exposure limit were forming and processing work, cutting and bending work and grinding.

To reduce the number of company exceeding noise exposure limit, the reduction counterplan should be focused on the type of industry and the work process which exceeded noise exposure limit frequently. However, the reduction counterplan is preemptively necessary to the type of industry and the work process which exceeded noise exposure limit consecutively if the purpose of reduction counterplan is not to merely reduce the number of company exceeding noise exposure limit but to abate workers' suffering from noise.

1. 서 론

기 호 설 명

D1 : 직업성 질병의 소견을 보여 사후관리가 필요한 자(직업병 유소견자)

C1 : 직업성 질병으로 진단될 우려가 있어 추적검사 등 관찰이 필요한 자(직업병 요관찰자)

NOISH : National Institute of Occupational Safety & Health(미국 국립산업안전보건연구원)

사업장 근로자들이 작업을 통해 노출될 수 있는 유해인자에는 화학물질, 분진, 중금속, 소음, 진동, 방사선 등 여러 가지 유해인자들이 있다. 이들 물질에 의한 근로자 건강장해를 예방하기 위해 산업안전보건법에서는 일정 주기마다 근로자에 대한 특수건강진단 및 6개월에 1회 작업환경측정을 실시하도록 하고 있다⁽¹⁾.

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