

MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN
ALMATY UNIVERSITY OF POWER ENGINEERING AND TELECOMMUNICATIONS

Dissertation

on the topic of : INFORMATION SUPPORT OF INDUSTRIAL SAFETY AT JSC "KELET"

МИСП-17-2– «Information Systems»

Completed: Seitov K.A.

Scientific adviser:

Tabultaev SS

Relevance of the research topic:

- The main ways to reduce injuries and increase efficiency at JSC "Kelet" are: the highest discipline; ensuring sufficient quantities and correct use of protective equipment in production; improvement of technological processes; creating normative, comfortable working conditions at each workplace for trouble-free and high-performance work; ensuring the safe operation of process equipment; the content of workplaces, domestic premises, the interior of the workshop premises, the adjacent territory in exemplary order; medical supervision.

Goals and objectives:

The purpose of this dissertation is to identify and study occupational hazards and develop methods to prevent or reduce them in order to eliminate industrial accidents and occupational diseases, accidents and fires. In accordance with the goal, the following tasks were formulated

- to study the state of the state of labor protection;
- to study and identify Sources of environmental pollution;
- conduct an analysis of recorded cases of injuries and diseases;
- identify problems to improve fire safety;
- to propose measures on the Main ways to reduce injuries and increase the efficiency of work at JSC "Kelet"

PRODUCTION DEPARTMENT OF JSC "KELET"



THE DEPARTMENT OF TECHNICAL CONTROL OF JSC "KELET"



WAREHOUSES OF JSC "KELET"



SERVICE CENTER JSC "KELET"





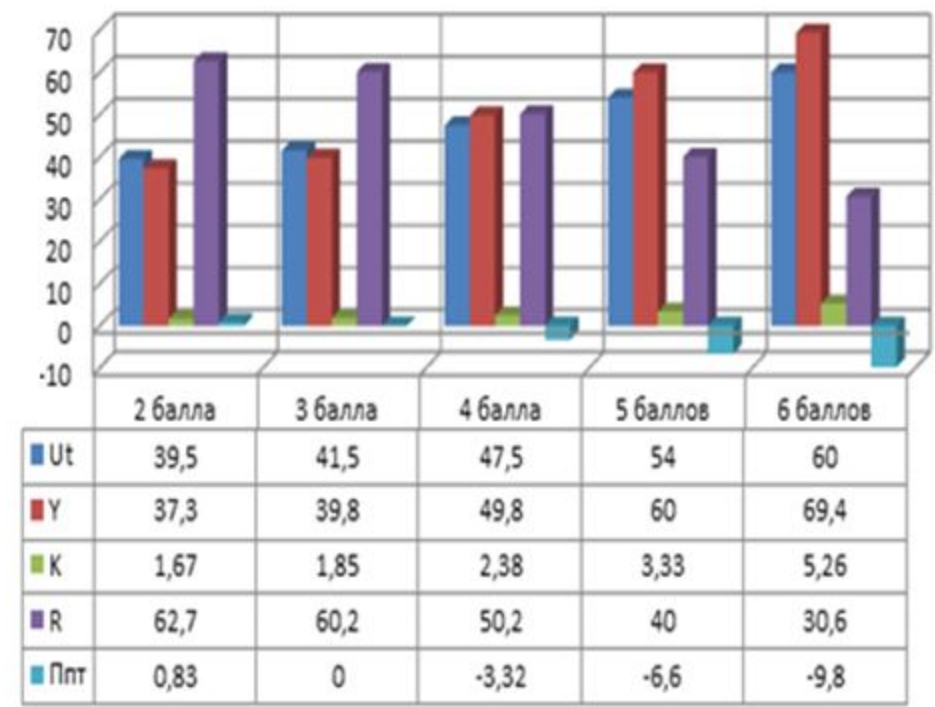
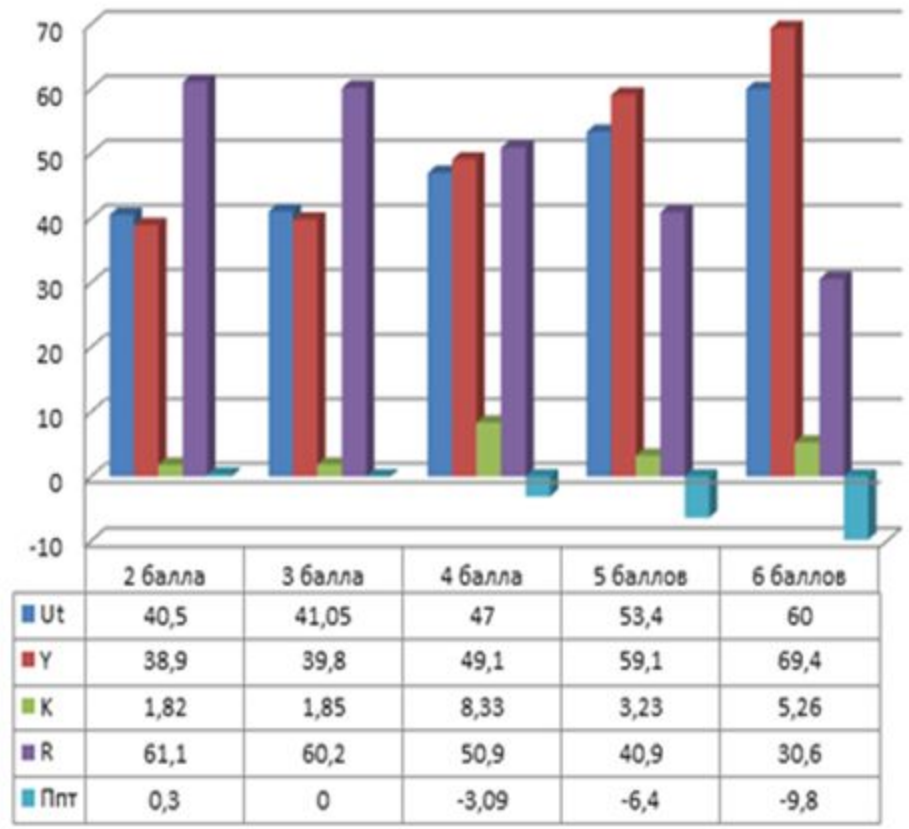
LASER CUTTING MACHINE "BYSTRONIC" FOR CUTTING METAL



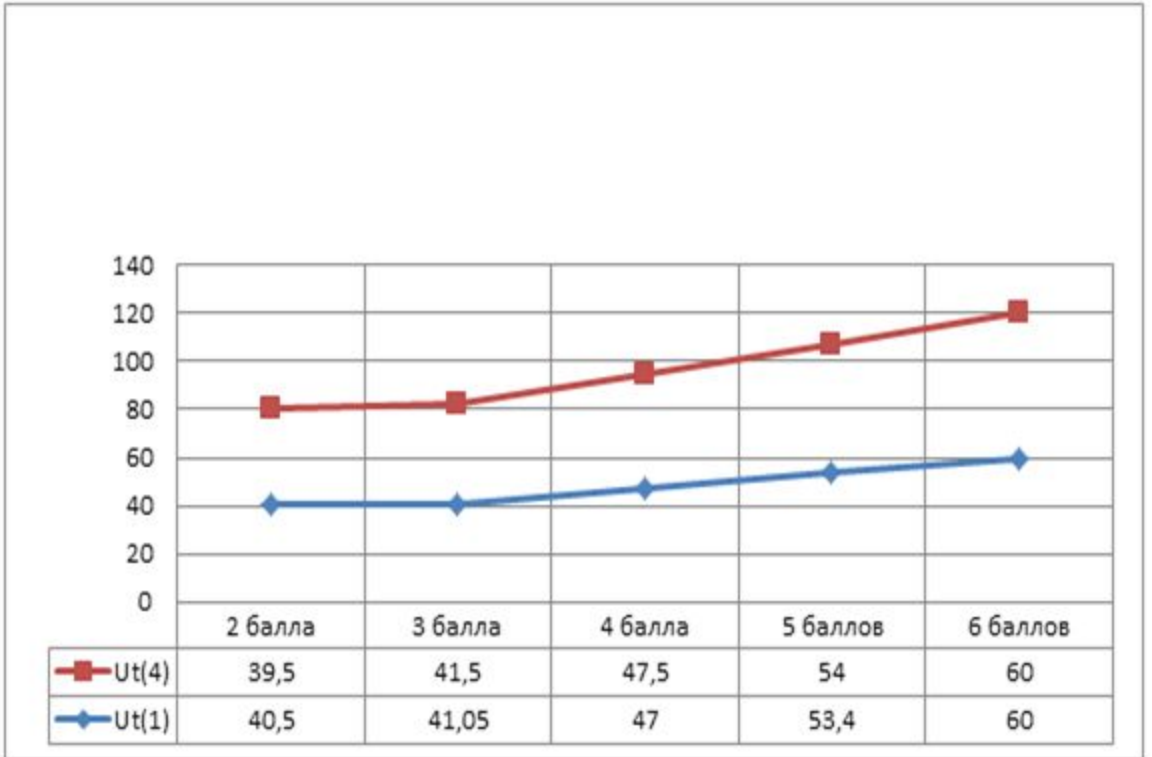
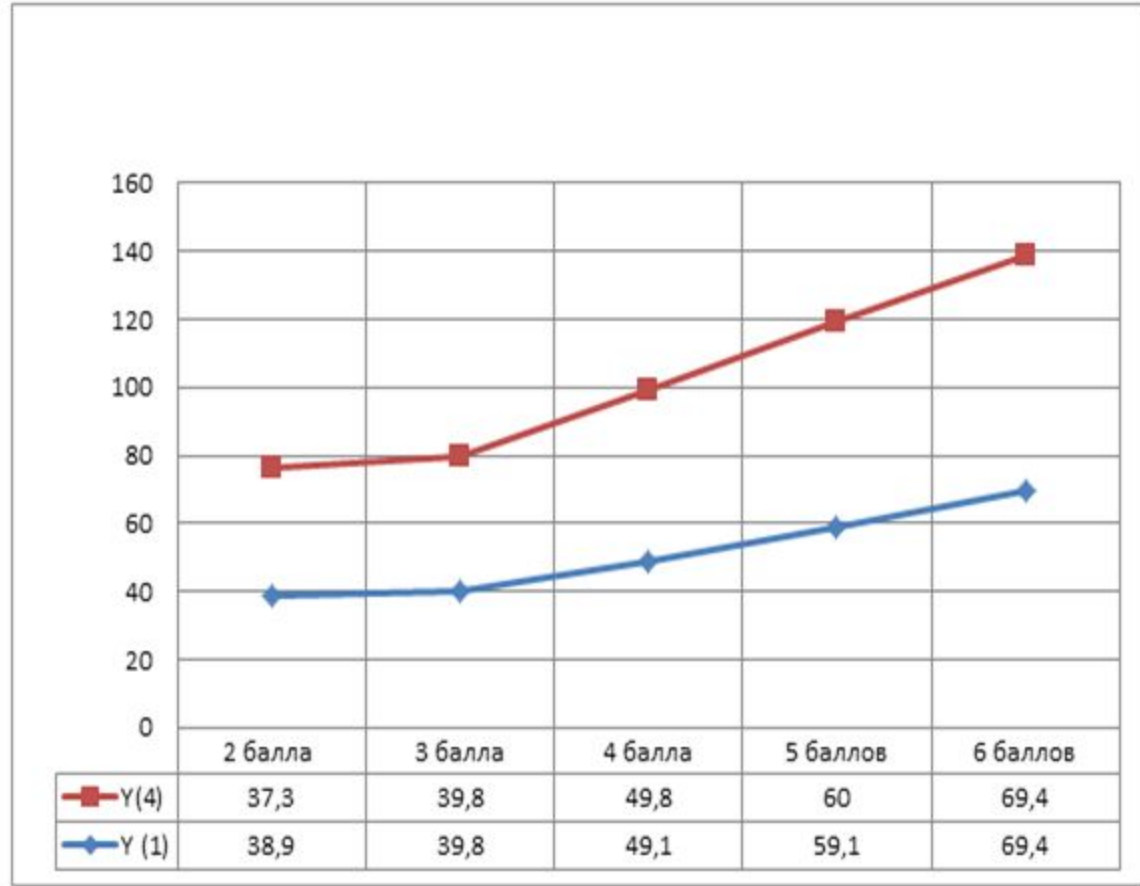
TABLE - ACCIDENTS

| Годы | Количество несчастных случаев | Количество дней нетрудоспособности | <u>Кч</u> | <u>Кт</u> | (+) рост (-) снижение |
|------|-------------------------------|------------------------------------|-----------|-----------|--------------------------|
| 2013 | 108 | 2558 | 5,5 | 23,7 | - 48 |
| 2014 | 105 | 2478 | 5,5 | 23,6 | - 3 |
| 2015 | 95 | 2239 | 5,0 | 23,6 | - 10 |
| 2016 | 115 | 2963 | 6,0 | 25,7 | + 20 |

HISTOGRAMS. DEPENDENCY OF INDICATORS WHEN THE PARAMETER OF THE WORKING ENVIRONMENT CHANGES



HISTOGRAMS. COMPARATIVE ANALYSIS OF THE INDICATOR FOR VARIOUS CHANGES IN THE WORKING ENVIRONMENT



THANK YOU FOR ATTENTION!