

بسم الله الرحمن الرحيم

Sudan University of Science and Technology
College of Graduate Studies

**A Minimization Maintenance Method for Pumps
in Sugar Factories (Kenana Sugar Factory)**

طريقة لتقليل تكلفة صيانة المضخات في مصانع السكر
(مصنع سكر كنانة)

**A Thesis submitted in partial fulfillment to
the College Graduate Studies: Sudan University
of Science and Technology for the requirement of
the degree of Master of Science in Mechanical
Engineering (Power)**

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(والعَصْرُ ﴿١﴾ إِنَّ الْإِنْسَانَ لَفِي خُسْرٍ ﴿٢﴾ إِلَّا الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ
وَتَوَاصَوْا بِالْحَقِّ وَتَوَاصَوْا بِالصَّبْرِ ﴿٣﴾)