



JIS Q9100 RECERTIFICATION AUDIT

Kiryu, Japan

Last quarter Ogura underwent a recertification audit of JIS Q 9100 (quality management system for the aerospace industry), which focused on the Special and Aircraft Parts Division and related departments.

Due to COVID-19, the audit was delayed for half a year and finally has been conducted remotely using Microsoft Teams.

The products examined were heat exchanger parts, starter parts and landing actuator parts for civil aircraft. Based on the process map and process turtle diagram submitted in advance, the audit was conducted by sharing documents on the computer screen or by taking live video of the site while describing Ogura process. Key Performance Index (KPI) and results, related regulations and records, training history on product safety, and counterfeit product management have been checked.

As a result, four minor nonconformities were detected in one area of the organization's Aerospace Quality Management System (AQMS). However, standard requirements have been met after making corrections. There were no serious non-conformities regarding the operational status, effectiveness, and validity of the system/process. ●



ISO14001 PERIODIC AUDIT

Kiryu, Japan

For four days last quarter, Loyd's of London (LRQA) remotely conducted the periodic audit for ISO14001. According to the samplings, there were no non-conformities to the standard requirements. They found twenty-three items that were good, four items that need improvement, and one item that requires observation.

As for the content of improvement proposals and observations, a total of five items were pointed out. Two of them regarding "approach to risks and opportunities" and three other ones regarding "environmental goals and planning to achieve them".

The following are the main comments received:

1. Usually, the risks from various viewpoints (quality, safety, compliance, IT, natural disasters, etc.) are taken into consideration and evaluated as corporate risks. Then, according to the evaluation results, the risk response plan is created. However, it is also a good idea to consider the risks from the environmental aspect (dangerous substances, an outflow of chemical substances, etc.), as well as examine corporate risks related to SDGs.

2. As for the environmental goals (compared to the manufacturing department), it was a little difficult to see in indirect departments the indicators of the execution plan and the degree of achievement of the goals. In general, it is often difficult to set indicators for indirect departments, and the management indicators that have been established tend to be simplified. Keeping this in mind, it is a good idea to create a draft of the management indicators within the range of possible achievable performance.

Ogura will review the inspector's report and take into consideration all comments and concerns to build an even stronger management system. ●

Ogura Sales Rep Profile

TIM MCDOWELL

Norman G. Clark Pty Ltd.

My name is Tim McDowell and I am a Sales Representative with Norman G. Clark (Asia) Pty Ltd based in Melbourne, Australia.

A family business founded in 1919 after the First World War, we celebrated our Centenary last year manufacturing and distributing Diesel & Industrial Solutions to the Australian, New Zealand and South East Asian Markets.



Tim McDowell

I started at Norman G. Clark in 2008 as a CNC Machinist and later moved into the Sales Team consisting of Sales Engineers Minh Nguyen, Jack Clark (Great Grandson of the founder Norman G. Clark) and my manager Boyd Elliott.

We have enjoyed a 13 year relationship with Ogura Industrial Company beginning back in 2007 working closely with OIC's Mike Vasko. Some of the major industries we service are Vacuum/Hydro Excavating, Agricultural Equipment and Mobile Mining Vehicle applications which we look forward to growing in the years to come.

In my spare time I enjoy Australian Football, Cricket, BBQs with friends and spending time at the beach with my wife and two young children. ●

QUICK REFERENCE TIPS FOR CUSTOMERS

Somerset, New Jersey

Ogura Industrial has created a series of quick reference tip for customers. These are being sent out on a weekly basis via email. Some tips will highlight various features of a particular Ogura clutch or brake and others are short video troubleshooting tips. ●



ISO14001

ENVIRONMENTAL MANAGEMENT TUTORIAL FOR BEGINNERS

Kiryu, Japan

ISO14001 Environmental Management Tutorial for Beginners was conducted five times last quarter. Ninety-three people in total attended the tutorial. Initially, it was planned for new employees who joined the company within five years. However, because the group leaders and foremen were highly interested in environmental management, Ogura decided to conduct it in a way to meet everybody's needs.

To make the employees understand the requirements of the ISO standards and rules better, a tutorial was structured in the following order: 1) explanation of the requirements and outline of the ISO14001 standard, 2) the structure and main contents of Ogura's environmental manual, 3) the contents of ISO14001 regulations and management practice. New materials were created that are easy to understand even for those who are new to the company's environmental policies. These are also now available to employees on the Ogura company portal.

In the future, there will be a tutorial on quality control. These courses will be at beginner, intermediate, and advanced levels. It is hoped that these lectures will help strengthen the quality system in the workplace. ●



Class for Environmental Management

GIE+EXPO

Watch for new announcement for GIE show in October

Application Story

RC MOWERS **NOT YOUR AVERAGE RC RACING**

When we were young, remote-controlled model cars were all the rage amongst us kids. Some of the best afternoons were enjoyed pitting them up in a race. Though those days are long gone, some of us still remember them, and many still collect them.

With this same excitement and enthusiasm, RC Mowers is redefining the business of mowing by applying robotics and autonomous technology to the ever-expanding and evolving Commercial Mowing Industry. In landscaping, time is money and you are always racing against the clock to improve your bottom line. RC mowers give landscapers the edge they need.

RC Mowers' First Line of products, remote-controlled robotic mowers, are primarily used to mow steep slopes and hazardous terrain. These machines eliminate the risk of injury due to roll-over, keeping the operator at a safe and stable distance from the hazardous areas and completing the work both safely and efficiently. Some crews also traditionally use string-trimmers to mow steep slopes and hazardous terrain on foot, which is very inefficient and risks injuries. Running a string-trimmer all day is brutally hard work, making it difficult to recruit and retain staff that are willing to run the trimmers for long days and harsh conditions. RC Mowers' remote-operated robotic mowers solve these problems by allowing for safe and complete mowing of slope-side areas.



RCTK-52XP Remote Controlled Mower



Since the RC Mowers are designed for work in extreme and remote environments, the components used in the machine have to be of the highest quality. Because of the high torque and commercial-grade requirements of this machine, the Ogura PTO clutch/brake (GT3.5) was selected. The clutch/brake engages and disengages the mowing deck, when the switch on the remote control is activated. When the clutch is turning the blades, it is delivering over 300 ft lbs of torque. When the operator wants to disengage the clutch, the mechanical brake component on the clutch will help to slow the blades to a stop. Ogura's adjustable "air-gap" on the RC Mower's clutch also ensures long component life, serviceability, and accurate operation.

John Bednarski, Owner of Apex Unlimited Services and an RC Mowers customer, states, *Ogura PTO Clutch Model GT-3.5* "The biggest benefit after safe operation, is that it saves time. A lot of the places we maintain have retention ponds with steep banks. We used to have to hand-cut them with brush-cutters. Now we use the RC Mowers remote-operated robotic mower and knock the work out in a fraction of the time, allowing us to use our manpower elsewhere." In fact, Apex reports that their RC Mowers machines have resulted in an 80% reduction in labor costs, compared to using string-trimmers.

And that's only the beginning for RC Mowers. As an innovation leader, RC Mowers is developing a fully autonomous robotic commercial mower, to be introduced in 2022. This game-changing product aims to address the #1 challenge faced by the commercial mowing industry: availability of quality labor.

RC Mowers and Ogura continue to work together to provide safe and effective mowing solutions for those that simply want to do a better and safer job!

For more information on RC Mowers, please visit www.rcmowersusa.com.

For more information on Ogura Clutches and Brakes, please visit us at www.Ogura-Clutch.com. •



Ogura in the News

SAFETY WITH SPRING APPLIED BRAKES

Somerset, New Jersey

Last quarter in Design World, in the Motion System's Application section, there was a general article describing electromagnetic brakes for use in mobile and industrial applications. For the article, they used some content supplied by Ogura industrial. The article also featured an ad for Ogura spring applied brakes. A link to the article can be found on Ogura's website in the editorials section.●



Article in Design World

NEW GENERAL PURPOSE CLUTCH ANIMATION

Somerset, New Jersey

Ogura Industrial has produced the latest animation for Ogura electromagnetic clutches. The latest, general purpose clutches, show how the general purchase clutch functions. The animation shows how magnetic flux is developed and how that flux is transferred into the rotor armature, and finally into the hub or pulley to provide the engagement force for rotation in an application. The animation also highlights some of the key products where general purpose clutches are used and discusses the advantages of using this clutch for the end customer. ●



NEW PRODUCT - COBOT FRIENDLY BRAKE

Kiryu, Japan



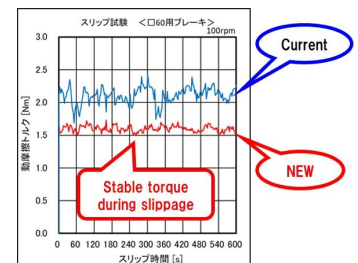
Cobots and workers



New cobot brakes



Proprietary friction disk



Typically, holding brakes are designed to develop as much torque as possible in a small space. Machine registration and operator safety have been the main objectives. However, with today's cobots, that is no longer the case. A worker may need to push a robot arm out of the way for a variety of reasons, but when doing so, damage could occur to the robotic arm or drive train.

The new cobot-friendly brakes from Ogura allows for this by reducing the difference between static and dynamic torque with a new proprietary friction material. This material can be incorporated into a number of standard Ogura holding brake models. These new brakes from Ogura will help reduce the chance of operator injury and equipment damage.