



News from the Crane Association of New Zealand

Annual Conference Issue

We held a very successful annual conference and annual general meeting at Tauranga in early July. It was the best-attended of its type in some years.

The turnout showed great confidence in the work of the Crane Association and confidence on the part of members that we will continue to be a strong voice for the industry.

We elected a new President, Scott McLeod, a new council and voted in two new life members, who have worked tirelessly for the Association over many years.

From next year's conference, Associate members who are elected to the Council will have a voice and vote at AGMs.

A sign that we are all in good heart showed in the number and quality of entries for our annual awards.

The Association's business rolls on and we report this month on progress of the Road User Charges reduction for truck cranes. The goal is that NZTA will consider Road User Charges that would result in a saving of 10% or more for affected truck cranes.

When you have read up on our AGM and events that affect your business, don't forget the resources we have developed over past months that are now available from our online shop.



From the President

*Dear members,
Welcome to the latest edition of Dispatches. This is the second edition back in print and my first as President. There has been a lot happening with the Crane Association. This year's conference had an awesome turnout. We held it at Trinity Wharf, Tauranga. I thank our sponsors, exhibitors and our CEO, Rod Auton, and his team for achieving what must be one of the best I have attended. If you couldn't make it this year, I encourage you to make it next year – we have a great industry with some characters worth meeting. We also have some great exhibitors showing the way on what is coming and what is best practice. It is well worth attending so look out for us in 2016.*

Scott McLeod
Association President

AGM Names New Life Members

We honoured new Life Members in **Malcom McWhannell** (Brian Perry Civil) and **Gordon Stone** (Titan Cranes Limited). They join:

1982 - Max Whiley	2000 - Peter Thompson
1986 - Warren Jenson	2006 - Dick Parsons
1989 - Bill McIntosh	2012 - Robert Carden
1999 - John Carter	2013 - Bill Houliker

who built today's Association. We acknowledge Malcom and Gordon: ex-presidents who have contributed many times over many years. Well done!



Newsletter of the

CRANE ASSOCIATION
OF NEW ZEALAND INCORPORATED

Margan House

21 Fitzherbert Street, Thorndon
PO Box 12013, Wellington 6144
New Zealand

Telephone: 04 569 9799

Facsimile: 04 569 6969

Email: info@cranes.org.nz

www.cranes.org.nz

Tauranga 2015 - President's Report

This year's conference was the culmination of many years' work to position your association as a strong voice speaking out for the good of our industry

Grant Moffat stepped down as President, having led the Association through the most challenging of times.

- Christchurch Earthquake – resulting in Grant stepping up to lead the association.
- ITO - Opportunity Training moving to Skills
- Passing of Ian Grooby and the recruitment of his successor, Rod Auton
- Resignation of the Vice President and Council members soon after Ian's passing.

These changes were significant and without the time and effort of Grant, the Association may have looked very different. Our thanks go to Grant and his leadership team, HEB Structures. They have strengthened us during these years with their time and commitment. You see the results in:

- The new Crane Safety Manual
- Our online shop and its many products
- The new website

There were many more accomplishments behind the scenes. It is with great appreciation that I thank Grant for his service as President and now as Immediate Past President (you don't get out of this job so easily). I look forward to working with Grant over the coming years.

Conference achievements

Associate member representatives currently sitting on council gained the right to vote at the AGM. This is great and I look forward to listening and learning as our associates have their say on our direction.

We debated how we should elect the President.

Titan Cranes raised a remit that created healthy debate on how to elect the President / Vice President. Watch this space. Later this year we will survey the membership to see if we have this right.

We had a great awards evening

Thank you - without your entries we could not acknowledge our industry leaders. It's an important part of our annual conference so start thinking now about who might be next year's crane leader of the year. Who might win lift of the year? Might you be the one to step forward to take the weigh load trophy?

Congratulations to this year's winners and finalists. You have set the bar high and I can't wait to see who steps up next year.

There were a number of other highlights at conference – but in the end it was the networking that made the event for me.

Looking ahead - We have a big year with a number of things happening. Council is currently working on:

- Changes to health and safety requirements
- ACOP transportation and erection of precast concrete



- Crane Industry Qualifications Review (TROQ Review)
- Vehicle Dimension and Mass Rule
- Mobile crane weight certificates
- Operator Certificate of Competency
- Associate member advertising
- EU Mutual Recognition Arrangement

I encourage you talk to our team. We are the industry's voice. Take advantage of this and let us know how we can help you.

Finally, I really enjoy being a member of this team, in which competitors and colleagues come together. They leave their hats at the door and focus on what's best for our industry. I'm looking forward to the 2015/16 term because we have great councillors who dedicate time and energy to do great things. In finishing, I would like thank:

- Digital Training & Assessment
- Fletcher Construction
- HEB Structures
- Lyttelton Port of Christchurch
- McLeod Cranes
- The Skills Organisation
- Titan Cranes
- Transport Specifications
- Waikato Crane Services / Auckland Cranes

For lending your people to us who then make this all happen!

Annual General Meeting

Council

Four councillors stood down after their two-year terms. There was one vacancy to fill. Three of the four councillors stood for re-election and the following are the results.

President	Scott McLeod (McLeod Cranes Ltd)
Vice-President	Tony Gibson (Waikato Crane Services Ltd)
Immediate Past-President	Grant Moffat (HEB Structures)
Councillors	Jan Coton (Titan Cranes Ltd) Paul Houston (Fletcher Construction Company) Tristan Williams (Lyttelton Port Company) Warren Rogers (Fletcher Construction Company)
Associate Reps.	Ron Brown (Transport Specifications Ltd) Allan Collins (Digital Training and Assessment Ltd)
ITO Rep.	Wayne Abel (The Skills Organisation)



Summary of Remits that were voted on at the AGM

The following motions were voted on at the annual general meeting of the Crane Association of New Zealand, regarding amendments to the Association's Rules.

Such remits must be passed by a two-thirds majority of those members with power to vote who are present and voting at the annual general meeting (*Rule 12.3*).

Motion 1: That Rule 4.4 be amended to read "Life Membership of the Association is available to persons who are elected as "Life Members" by a simple majority of a full sitting of the Crane Council." (Moved, Seconded and Carried)

Motion 2: That Rule 7.8(iii) be amended to read: "Only Full Members and those Associate Members' representatives who are elected to the Council may vote on any issue or Remits submitted to the General Meeting. Where a poll is called for, Full Members and the Associate Members' representatives who are elected to the Council shall be entitled to one vote except where such Members annual subscription exceeds 50% of the average subscription of the five largest member's annual subscriptions in which case such members shall be entitled to a maximum of two votes." (Moved, Seconded and Carried)

Motion 3: That Rule 7.8(v) be amended to read: "Life or Honorary Members shall have no voting rights in such capacity on any issues or Remits to be decided at any General Meeting. They may however, subject to the approval of the Full Members attending, participate in the business of the General Meeting." (Moved, Seconded and Carried)

Motion 4: That Rule 8.2(iii) of the Rules of the Association be amended to read: "All of the Members of the Council (i.e. other than the Immediate Past President, Associate Members' Appointees, and the ITO Appointee) shall retire at the Annual General Meeting following the expiration of their two year term. The retiring members are eligible for re-election providing they agree to accept nomination." (Moved, Seconded and Carried)

Motion 5: That Rule 13.2 of the Rules of the Association be amended to read: "The Safety Manual is the property of the Association. The right to sell the Safety Manual and retain the profits of sale is given to Crane Training (New Zealand) Limited while Crane Training (New Zealand) Limited is wholly owned by the Association." (Moved, Seconded and Carried)

Motion 6: That Rule 13.3 of the Association be amended to read: "Subject to Rule 13.2 and Rule 13.4, the Council and/or Executive Committee and/or Chief Executive or Executive Officer (including any staff members employed by them or agents or consultants retained by them), are prohibited from assigning or otherwise dealing with the rights in the Safety Manual." (Moved, Seconded and Carried)

Motion 7: That Rule 8 be amended to read "Subject to Section XIII of these Rules, when the General Meeting is not in session, the affairs and activities of the Association shall be controlled by a Council and Executive elected by the Annual General Meeting in accordance with these Rules and the Council shall be responsible to the General Meeting. The election of Council shall be conducted by a first past the post type ballot conducted at the Annual General Meeting in accordance with the provisions of Rule 8.2". (Moved, Seconded and Not Carried). As a result of this the President has agreed to conduct a survey of the members to establish if there is support for this change to take the motion further.

The survey is an agenda item for the September Council meeting and will be sent out shortly after that to all voting members.

Annual Crane Association Conference Awards Dinner

The annual awards are the industry's showcase - where members show how hard work and innovation can inspire others



UDC Project of the Year

There were two entries in the UDC Project of the Year this year.

Fulton Hogan for the Onehunga Foreshore Restoration Project

Smiths Crane and Construction Ltd for the Te Mahi Hou (NZ Refinery) Project

The UDC Project of the Year winner is Fulton Hogan



UDC Lift of the Year

The UDC Lift of the Year had three entries this year:

Junction Road Transport – RMG500 Shear Leg Deployment

Junction Road Transport - GEA Dryer Lift – Pahiatua

Smiths Cranes and Construction Ltd - Assembly of 5T Tower Crane at Waitaki Hydro Dam

The UDC Lift of the Year winner is Smith Crane and Construction Ltd



Weighload Trophy

The Weighload Trophy is presented to individuals who have provided outstanding service to the Association and this year it was awarded to **Giff Linder** posthumously.

Sam Linder of **DM Standen Ltd** received the award on behalf of his father.



Skills Trainer of the Year

The Skills Trainer of the Year this year is:

Allan Collins of **Digital Training and Assessment Ltd**

Annual Crane Association Conference Awards Dinner

The annual awards, continued



Skills Trainee of the Year

The Skills Trainee of the Year is:

Nikola Thompson from **NZ Aluminium Smelters**



Skills Crane Leader of the Year

This category was introduced this year to recognise leadership within the crane industry. The winner this year is:

Malcolm McWhannell from **Brian Perry Civil**

Life Members

This year we acknowledged the work of two individuals who have, over a long period, represented the crane industry and their companies with distinction.

Both of these nominees have spent many years on the council and both have served terms as Vice-President and President of the Association.



Malcom McWhannell (Brian Perry Civil)



Gordon Stone (Titan Cranes Ltd) (right)

Annual Crane Association Conference

The annual crane conference was held on 8-10 July 2015 at Tauranga, enjoying one of the largest turnouts in years.



Annual Crane Association Conference



crane

highest standard – safety first

From the Archives

In December 2006 the following article was prominent in the newsletter Dispatches

Name Change - everything falls into place

The new name of the Association came into effect from 1 December after much thought, planning and work.

We are now the Crane Association of New Zealand (Inc.). Our incorporation, web site, branding and new name are now all public and the new face of our organisation.

The web site has been revamped and is now: www.cranes.org.nz.

Amongst the most visible changes to the public face of your Association are re-designed logos and stationery. In our press release to announce the changes we reiterated the thoughts members had expressed when the changes were mooted.



That is, that after 31 years of representing New Zealand's crane owners and operators, the Power Crane Association has re-invented itself to stay effective and on top of the industry into the future.

We've taken this opportunity to re-brand the Crane Association with a fresher, more contemporary look with new logo and colours and underpinned by a strong positioning statement that encapsulates our prime focus: highest standard – SAFETY-FIRST.

The Power Crane Association served our industry well for 31 years. With this name and fresh look, we are looking ahead to serve members and the industry for the coming decades.

Conference Sponsorship

The Association expresses its thanks to our Premier Sponsor, ENZED and to all of our sponsors this year for their continued support of the Association.

We had 24 booths this year and ran two competitions.



They were Booth of the Year, won by AllCrane Sales and Services Ltd. We conducted a draw on a booth passport where delegates obtained stamps in their passports from the booth holders.

This year's winner was **Rex McIntyre** of **Supermac** who won an iPad.

New Individual Membership Category

Crane operators can now join the Association

At the annual general meeting last year a new individual membership category was approved.

It allowed crane operators, or individuals who do not own or hire cranes as a business to join the Association.

This allows those individuals to keep current with what's happening in the industry. Subscriptions are just \$50.00 per year, making it affordable.

Anyone wishing to join can fill out an application form online at: www.cranes.org.nz/membership.html.



All Crane's booth, winner of the Best Booth Trophy at this year's annual conference. It was one of many that made an interesting and colourful contribution.

Road User Charges

We have made some progress with the RUC reduction for truck cranes.

Since their last meeting with NZTA, TSL have reviewed their RUC calculator, which specifies the RUC axle factors that contribute to the wear component of the RUC rate.

The component that makes up the bulk of the RUC rates is the wear component.

NZTA and MoT base the rates that they have set on the current system, where axle factors are aligned with the Austroads pavement wear guidelines. NZTA and MoT ruled out use of the overweight permit manual references, saying that the Act requires the RUC collector (NZTA) to consider RUC rate reductions for the vehicle attributes with only road wear a consideration.

Reduction of rates must be calculated in line with current policy and the Cost Allocation Model, all of which use the Austroads method and figures. This effectively separates mobile cranes into two categories: those with axles with single large tyres; and those without.

Tyres are given an axle factor reference based on two attributes:

1. Their configuration, which relates directly to whether it be single or a dual tyres axle and as a closed, or spaced group.
2. Their section width; tyres are considered large tyres if their section width exceeds 355mm. This is in line with the definition within the Vehicle Dimension and Mass Rule.

NZTA will consider RUC reductions for any vehicle, which would

save 10% or more. All cranes checked so far, that operate with an axle or axle group with single large tyres, meet this threshold. NZTA wants all applications to be checked and submitted from one source, to simplify the process. TSL have designed an application form and information sheet for applications. This sheet outlines the information that is required and the approved tyres so far.



The application forms are available from the Association website or you can email info@cranes.org.nz to obtain a hard copy.

Crane Training Shop

The Association has developed new resources that are available from the online shop.

We designed these resources to help you in your business.

They are available at a discounted price for members and include:



Rigging plans	Crane Safety Manual
Safety posters	Pocket rigging and calculator cards
Hand signal cards and posters	Safety stickers
Training CDs	Guidelines and Codes of Practice in A5 booklet form
Lift plans	2015 Crane Directory

The 2015 Crane Safety Manual is now available from the shop and is proving to be one of our best resource achievements to date.

Visit the shop at shop.cranes.org.nz



TRS Acquires New Generation of Crane Tyre

The latest addition to the TRS product range will be the new Mitas CR-01, which is a new generation all-steel radial tyre designed for mobile cranes.

TRS are importing this tyre in the size 520/85R25, which will be available ex-stock early November this year.

- The Mitas CR-01 provides a wide range of benefits including:
- A high maximum speed up to 85 km/h
- Mitas-Link, unique connection between tread blocks ensuring extended tyre life
- Deepest tread pattern in category
- Reduced fuel consumption, thanks to all-steel construction improving rolling resistance
- Improved operator comfort and low noise emissions in high-speed service
- Open-tread block design for excellent traction and easy self-cleaning in off-road application
- Regroovable and suitable for retreading, thanks to highly durable carcass

With a static load capacity of 17,750kg and 7,100 kg at 80 km/h, the Mitas CR01 offers excellent load capacity. Mitas claim the 28mm deep tread pattern is the deepest in its category and can operate in winter conditions and mud. Mitas says the tyre offers six per cent lower rolling resistance than a standard mobile crane tyre, reducing fuel consumption.

All CR-01 sizes feature 'Mitas-Link', a connection between tread blocks said to increase tyre life while limiting tread movement, even at speeds of up to 90km/h. Mobile cranes move fast on roads and Mitas-Link keeps tyre tread lugs in a fixed position, which allows for better control of the vehicle and preserves off-road traction. These links also reduce noise levels by blocking the noise generated within the tyre tread from spreading.

With a well established position as a specialist manufacturer of wheels for mobile cranes, TRS see entry to supplying tyres as a natural step. TRS has carefully selected the Mitas brand as its entry point as it is a quality brand, manufactured in Europe with a history dating back to the 1930s.

"This is a brand we can place in the market at competitive pricing but with the assurance of European quality," says Andy Macdonald, Industrial Business Manager for TRS.

TRS Tyre and Wheel Ltd. distributes Mitas tyres in New Zealand. TRS is New Zealand's largest importer and distributor of agricultural and industrial tyre and wheel systems. TRS offers an onsite technical advisory service coupled with regular performance monitoring of specialist tyres in service.

Operators interested in receiving more information of the tyre's release should talk to Andy Macdonald on 021 270 2115 or andym@trstyreandwheel.co.nz

SPECIALISED WHEEL SOLUTIONS TO SUIT SPECIALIST APPLICATIONS:

- Wheel Manufacturing
- Wheel Modifications
- Wheel Repairs
- Crack Testing



For technical advice from the experts in the field, contact the team at TRS Tyre & Wheel.

0508 899 899
or visit our website: www.trstyreandwheel.co.nz



Precast Concrete Approved Code of Practice

WorkSafe New Zealand have started consultation on the Precast Concrete Approved Code of Practice.

As this is important to the crane industry, ensuring that the ACOP is fit for purpose is the responsibility of us all.

We have set up two online sites where you can comment and raise your concerns.

Tell us what is right, what is wrong, and if there is anything that needs addressing. We will ensure that your concerns are raised with the working group. The sites are:

LinkedIn – Crane Association Group.

This is a member's-only group and needs approval to join. All comments are monitored and need approval prior to publishing:

www.linkedin.com.....

Crane Association Website – this is the industry news page, restricted to members:

www.cranes.org.nz/member-news

Feeling the Weight - TSL Seeks a Better Way

Transport Specifications Ltd have been heavily involved with road-ing and heavy vehicles and machinery in New Zealand and they say there's need for an agreed process to accurately weigh vehicles to international standards. Most weighing platforms in New Zealand are either a complete weigh bridge platform (designed to weigh bulk products for commerce) or strip weigh bridges (used by the New Zealand Police to weigh individual axles and lately, weigh in Motion systems employed by NZTA to monitor heavy transport movements).

There is dispute about how accurately the facilities can determine a vehicle's true weight. The Vehicle Dimension and Mass Rule 2002 legislation sets limits for individual axle, axle group, and overall vehicle weights. At the road side, police ticket each overweight instance. Fines can be over \$40,000.00! If they prove a vehicle damaged infrastructure, such as a culvert or bridge, they may hold an operator responsible for the cost of repair(s).

TSL have used many of the weighbridge facilities throughout Auckland and nationally, including Stanley Street Weighbridge operated by the NZ Police, and found potential for error.

Bulk weigh bridges are not designed to weigh individual axles or load share. The approaches may not be level, the bridge may not be capable of supporting an over-dimensional vehicle, or access to and from the weigh bridge facility may restrict larger vehicles. Over-weight vehicles, such as mobile cranes, may exceed weighbridge capacity.

Strip-weigh platforms that can weigh an axle, can't weigh the complete vehicle in a single weigh. International weighing standards require a single, total gross weight.

Individual pad scales weigh vehicles but only a single axle at a time. TSL used this method for many years, but say modern suspensions - such as hydropneumatic or electronic air suspension - cause the axle weights to continually adjust to roading conditions. You cannot guarantee there isn't a fluctuation in weight from axle to axle.

TSL searched for products suitable for New Zealand conditions, capable of weighing individual wheels, axle weights, and axle group weights and gross weights in a single weigh.

They have bought and are operating a system capable of weighing a total of six axles at once, to a maximum capacity of 130,000kg. It's fully mobile and available throughout New Zealand.

The European system meets OMIL regulations. TSL can come to you to weigh a heavy vehicle, transporters - including cranes, rows of 8, mobile machines or other plant. It lets you make the necessary adjustments prior to driving on the road. The system can be used to weigh:

- Mobile Cranes
- Mobile plant
- Truck and Trailers
- Auditing on board scales
- Mobile Machines
- Auditing of payload

weigh **check**

www.weighcheck.co.nz

Weighcheck Mobile Response

Weighcheck is a new service for the heavy vehicle industry designed to assist operators to make the right choices.

The new service by Transport Specifications Ltd

We have researched internationally to see what products are available to suit New Zealand conditions, capable of weighing individual wheels, axle weights, axle group weights and total gross weights all in a single weigh.

We have now purchased an operating system capable of weighing a total of six axles at once up to a maximum capacity of 130,000kg. The system is fully mobile and available throughout New Zealand.

Have confidence knowing your asset new or old is compliant with the rules!

- Advice and assistance with roading new vehicles or machinery:
- Allows business to independently audit and verify loads:
- Double check charges relating to load and weight:
- Calibration and Regulations:
- Setting up new vehicle imports or builds Certified Weighings

Contact us on: 09 415 9060 for more information



Spiralling Into Control



ENZED- New Zealand's total hose and fittings service provider has brought Parker Hannifin's latest spiral hose technology into the country. Parker has developed a hose with special features, ideally suited for owners of static and mobile industrial machinery.

The new Compact Spiral hose is Parker's most important breakthrough since the introduction of No-Skive technology 25 years ago. The company's engineers achieved all the extremes in the main hose characteristics, without compromising the hose life.

Both the 787TC (35.0MPa, 5,000psi) and the 797TC (42.0MPa, 6,000psi) achieve two million impulses at 133% of the maximum working pressure and at 125°C. The force required to bend the Compact Spiral is a third of that for standard hoses, giving ease of use and reduced mounting times for our hose doctors.

Parker Hannifin has invented and has applied for a patent for its tube-compound recipe that meets the required performance.

To complement the hoses, Parker developed 77-series fittings to work with Compact Spiral. The fittings use Interlock No-Skive (Bite-the-Wire) technology, designed to engage the tube into the spiral wire reinforcement with superior grip. It has excellent pullout resistance and reduced cool-down leakage.

The improved strength avoids any pullout risk of the fittings under extreme conditions.

A new holding zone resolves compression problems between hose and fitting. The fittings are offered in one piece to prevent mounting errors and incorrect use of shell or nipple.

Both new Compact Spiral hoses (787TC and 797TC) have been tested to double the minimum requirement of one million cycles from ISO 18752 Class D (Type DC) and with a 50% reduced bending radius.

The Compact Spiral hoses have a notably longer life than competing products. They have advantages in tough applications that require a high number of cycles, such as cranes, excavators, wheeled loaders, other construction machines or injection-moulding presses.

Potential Savings

Changing from standard SAE spiral hose to ISO compact spiral offers potential savings for owners of mobile equipment:

- smaller bend radius reduces overall hose length, saving on costs
- lighter-weight hose lessens vehicle weight, saving fuel or it lets users install additional equipment without increasing vehicle weight
- field life will exceed that of standard spiral hose. Less frequent replacement leads to savings.

Parker's compact spiral hoses are available at your nearest ENZED Service Centre or ENZED Hose Doctors.

Call **0800 4 36933 (ENZED)** or visit www.enzed.co.nz on your next hose emergency and we will show you how these new hoses will benefit your operation.

