

In this month's Hydrafile:**Featured Product - OMT**

Hyspecs now stocks a new line of power pack accessories from OMT. The new line adds to our already existing strong product range but with a few new additions so that you have more choice.

Flexible Couplings - Designed to establish a connection between an electric motor and hydraulic pump.

- ND aluminium series - cast alloy with flexible rubber 'spider' insert. Pre-bored to suit 1:8 taper or SAE shafts and UNEL electric motors.
- POL steel series - steel coupling with polyamide sleeve, pre-bored or blank coupling halves. Mix and match to get the desired assembly.

Bell Housings - Cast alloy, pre-tapped to suit pumps with European style 4 bolt or SAE mounts and appropriate electric motor.

Couplings and Bell Housings for Petrol Engines - Bell Housings and cast alloy couplings with flexible rubber insert, pre-bored to suit 1:8 taper or SAE pump shafts and appropriate petrol engine output shaft.

Damping Rings for Power Packs - Consists of two rings moulded into vulcanised rubber. Interposed between the bell housing and the tank cover, they diminish noise created by the power transmission by approximately 3-5 dB. The rubber is oil resistant with a maximum working temperature of 80 degrees Celsius.

Electric Level Gauges - Mounted vertically this device gives an electric signal when the minimum and/or maximum oil level is reached inside the oil tank.

For detailed information on all the above, including pricing download the [OMT power pack accessories brochure here](#).

**Project of the Month - Nairn Harvesters Ltd**

When Hyspecs was approached by one of the engineers at Nairn Harvesters Ltd to offer a drive system for their latest grape harvester there were 2 key criteria they stressed to us: delivery needed to be short as the customer had requested delivery of the completed machine in under 2 months, and the system needed to work well right from the start (there was no time for trial and error).

Machine Requirements:

- 4-wheel drive system with anti-skid
- Harvesting at a speed of 6km/hr on a gradient of up to 30%
- The machine would be able to climb a gradient of nearly 33%
- Under ideal harvesting conditions it is capable of removing up to 28,000kg of grapes off the vine per hour
- Top road speed of 32km/h (could be 39 km/h with a larger pump)



That night we were on the phone to Poclain Hydraulics in France to discuss the project. Poclain Hydraulics design and manufacture final drive hydraulic motors, and working on wheel drives like this is one of the things they do best. The next morning we had 2 draft proposals based on 2 different drives systems, and just 1 week and 1 day from the initial inquiry we had finalised the design and Nairn's were able to place an order with the confidence that the machine would perform as required, and the tight delivery would be achieved.

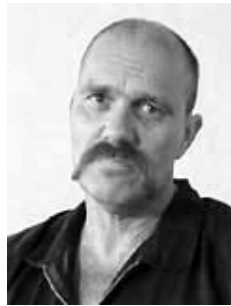
The final drive used from Poclain is one of their standard Smart Drive(TM) systems. Some of the other options that have already been implemented by Poclain include; preset vehicle speeds and cruise control; full engine management; maintaining constant true ground speed using radar sensors; self steering of the harvester down the row. The system can be fully customised to achieve a lot more than this; all you need to do is ask.

To download a movie of a vehicle with a Smart Drive system working at Poclain's test facilities in France [click here \(7.6 MB\)](#).

Go directly to Poclain's website to view and download more information on the Smart Drive System by [clicking here](#).

Staff News

Hyspecs has been looking for ways to better help its clients in the customer service area. With the help of feedback from some of you, we have decided to make changes to the duties of two of our Auckland staff. It is anticipated that this will result in faster and more detailed help to your enquiries.



Ray Sollitt
Customer Services Manager



Andrew Williams
OEM Facilitator

Our long standing Operations Manager, Ray Sollitt will now fill the newly created position of Customer Services Manager. Ray's duties will be wide and varied. He will remain in charge of the people in our store and service departments. Ray will be available to assist customers who have enquiries on our broad product range with a particular emphasis on the Eaton line, where his experience is extensive. Please note he will no longer be actively doing service work on hydraulic equipment. Any requests for this should be directed to Jeet Singh.

Another change is the creation of the new position of OEM Facilitator. Over the next six months Andrew Williams will take up this role. He will ensure that our Original Equipment Manufacturer customers have a single point of contact for delivery and forecasting enquiries. Andrew will work in closely with the customer's Sales Engineer and our purchasing and support people to make sure that the right product is delivered at the right time.

It is our hope that these changes will help you build your business by making contact with us just that little bit easier.

For a printable copy of this announcement [download it here](#).

For more information on whom works at Hyspecs please click [here](#).

Enjoy the Easter break!

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