



## Applications

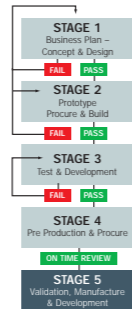
Include backhoe loaders, crop sprayers, excavators, mine utility vehicles, mobile cranes, rough terrain forklifts, site dumpers and telescopic handlers.

Our database of performance rated products ensures all components are matched and fully compatible. ITL has a full commercial export services department and worldwide shipping capability to support the OEM wherever you may be based.



## The Process

The most innovative manufacturing system combines integrated design, test, build and quality control, through a 'no fault forward' philosophy, to a standard never before achieved in on/off highway.



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The only off-highway inhouse manufacturer of transmissions, axles and engines in 30-135kW power range.

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ON / OFF Highway Driveline Systems



## Who we are

International Transmissions Limited (ITL) was founded in 1985. We work in close collaboration with OEMs to provide axles and transmissions for on/off highway applications.

Within the 30-135kW (40-180hp) power range, we provide integrated matched drivelines, powertrains (for both conventional and hydrostatic driveline systems); engines, axles, rigid drive, steer drive and dead steer; powershift transmissions with electronic control units (ECU), live power take off (PTO) - synchromesh transmissions; close coupled and remote, with torque converters and housings.

- 53 acre site
- Producing 100,000 units per year
- Employing 400 staff
- Across 1/2 million sq.ft. facility
- 3 plants - building the world's highest quality axles, transmissions and drivelines

### Research and Development

ITL has extensive prototyping and test facilities for components and assemblies covering all the configurations an OEM can require. If an OEM is looking for variations the chances are ITL can help. By investing our resources and implementing strict production control procedures, ITL can answer your need for specialisation with a cost effective world-wide solution.

ITL's approach to business is to work in partnership with its customers. Through close collaboration we offer flexibility to accommodate an OEM's need for change. Our friendly service and speedy response combine to deliver an 'easy to do' business package.



### Transmissions

Range of 4/6 speed transmissions, both full powershift and synchromesh versions with torque converter drive.

Options include: 2WD or 4WD, pump drive, internal or external park brake and electronic control unit (ECU.)

### Cooling Packages

Complete cooling packages matched to the powertrain including radiator, transmission and hydraulic cooler and fan can be supplied.

### Axles

Range of steer drive, rigid drive and dead steer axles with pad, pin or trunnion mounting and either cardan shaft or hydrostatic motor input. Options include: various axle ratios, differential types, service and park brakes

### Powertrain

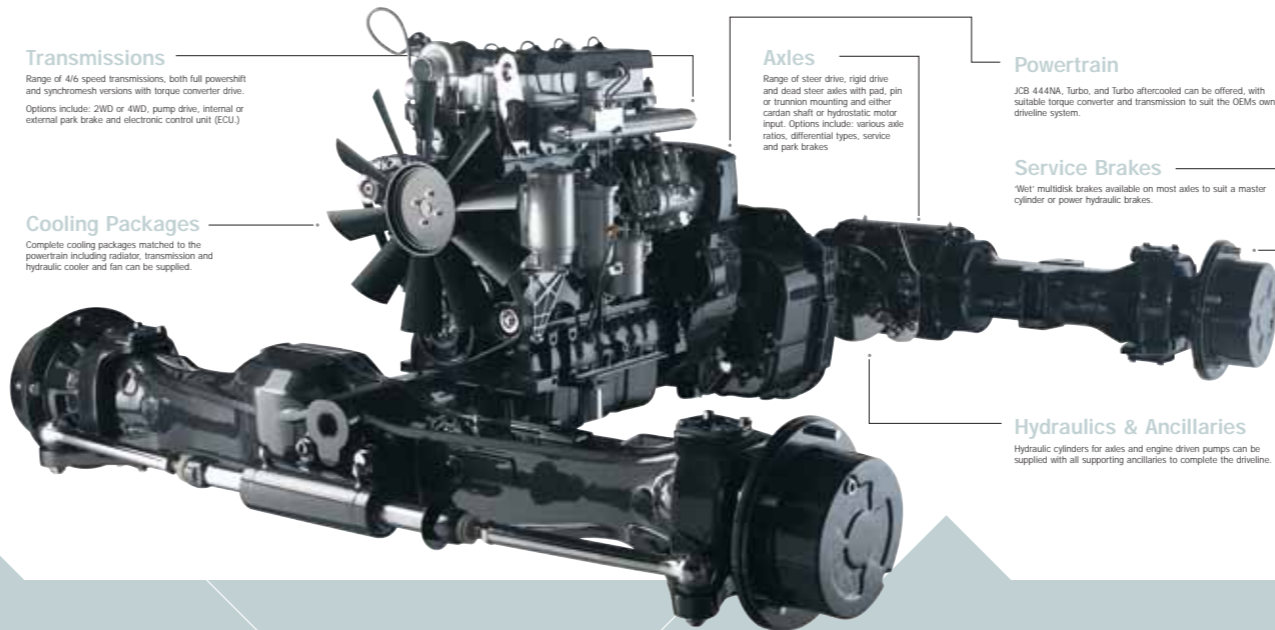
JCB 444NA, Turbo, and Turbo aftercooled can be offered, with suitable torque converter and transmission to suit the OEMs own driveline system.

### Service Brakes

'Wet' multidisk brakes available on most axles to suit a master cylinder or power hydraulic brakes.

### Hydraulics & Ancillaries

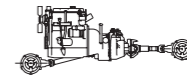
Hydraulic cylinders for axles and engine driven pumps can be supplied with all supporting ancillaries to complete the driveline.



## Engineering Approach

ITL's modular approach to driveline engineering permits full flexibility to tailor units to suit agricultural, construction and industrial machines within 34 - 90 (kW) on/off highway applications.

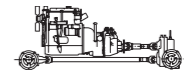
### DRIVELINE CONFIGURATION EXAMPLES



#### DRIVELINE Comprising

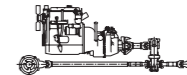
- Power Train
- Steer Axle
- Rigid Drive Axle

Two rigid axles would be fitted for articulated steer vehicles



#### DRIVELINE Comprising

- Power Train
- Steer/Drive Axle with Integral Dropbox & Park Brake
- Steer/Drive Axle



#### DRIVELINE Comprising

- Power Train
- Transfer Box
- Rigid Drive Axles

This illustration shows optional fan, transmission brake calliper and oil filter/dipstick.