



Welcome to the 4th Edition of the ILS Newsletter

The Good Oil



## ILS Product Spotlight JAX Food Grade Range

**JAX have been at the forefront of food and beverage plant lubrication since the inception of true USDA food-grade lubricants nearly fifty years ago. They are one of the largest global manufacturers of food-grade greases, lubricants and aerosols and offer the latest technology for all food applications.**

With the JAX range it is possible to move your plant from traditional mineral oils to food grade products without suffering from poorer lubrication performance. JAX has an extensive range of products based on pharmacopeia white oils, semi-synthetic and full synthetic base oils along with heavy duty greases such as those based on calcium sulfonate technology. ILS import and distribute a full range of JAX H1-3H NSF and

kosher certified products suitable for all food manufacturing applications. All products are registered with the NZFSA to C15 and NZ AsureQuality for use in the dairy and beverage industries. Refer to the ILS website <https://www.ils.co.nz/ils/default.aspx> for all technical datasheets and NSF certificates, <https://www.mpi.govt.nz/food-safety/> for New Zealand Food Safety certification and <https://www.asurequality.com> for NZ AsureQuality registration.

For further information see document **Castrol Food Grade Catalogue 18.08.20** at <https://www.ils.co.nz/ils/catalog/latestnews.aspx>

**ils** INDUSTRIAL LUBRICANTS & SERVICES LIMITED

USER: BRYN COY  
DATE: WEDNESDAY, 24 JUNE 2015

USER PORTAL HOME SETUP SCHEDULE DUE TASK COMPLETION FUEL REPORT MASTER TOP

CUSTOMER NO.: 99991 CUSTOMER NAME: ILS CUSTOMER TEST ACCT

**ILS CUSTOMER TEST ACCT - FLEET SCHEDULING STATUS**  
STATUS PERIOD: 8/06/2015 - 21/06/2015 PDF PRINT

COST CENTRE/FLEET TYPE	TRAFFIC LIGHT STATUS
OVERALL STATUS	●
AUCKLAND/ALL UNITS	●
TAUPO/ALL UNITS	●
WHANGAREI/ALL UNITS	●

FLEET SETUP SCHEDULING

GENERATE WORKLISTS COMPLETE TASKS

ACTUAL HRS/KMS UPDATE

FUEL EFFICIENCY CALCULATOR

MASTER REPORT

## Industrial Solutions Avoid Unplanned Downtime, Increase Efficiencies & Control Costs - ILS Fleet / Asset Manager

ILS Fleet / Asset Manager is a simple and easy to use online maintenance management tool suitable for use with both mobile and fixed equipment or assets. It is designed to manage both

scheduled maintenance tasks such as servicing, safety checks, greasing intervals, vehicle registration, WOF, COF & road user etc as well as all types of planned or unplanned repair/maintenance tasks. It uses a simple traffic light format that provides real time status of due maintenance tasks at a glance with flexible system parameters that are customisable to your business. All tasks completed in the system are saved into the maintenance history providing instant access to comprehensive service records ensuring compliance with Health & Safety, OEM warranty & contract requirements.

**Features of ILS Fleet / Asset Manager:**

- Simple & easy to use format
- Flexible system parameters & reporting functionality
- No program downloads - web platform - accessible from anywhere
- Covers scheduled maintenance & one off repairs
  - Can also cover safety or non-maintenance tasks
- Schedule tasks to in-house maintenance staff & 3rd party providers
- Compare asset performance from one unit to another
- See “Real Time” status of maintenance tasks due
- Instant access to complete maintenance history
- Compare & manage fuel usage
- Create work orders complete with parts list & any special instructions
- Produce reports on all facets of equipment, machinery & vehicle performance
- Ability to upload data from your GPS provider to fully automate scheduling process
- Eliminate manual maintenance scheduling & recording practices
- Maximise resale value of 2nd hand assets
- Online pre-start checklists for drivers & operators
  - Ability for maintenance staff to download logged maintenance issues

For further information and to arrange a free no obligation live demo of the system, please contact your local ILS Territory Manager or call our NZ based Customer Service team on 0800 10 40 11.

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## The Future of Racing, The Future of Fluids Castrol & Panasonic Jaguar Racing

As the automotive industry increasingly focuses on the development of hybrid and fully electric vehicles, consumers too are beginning to stand up and take notice.

It's anticipated that by 2040 there may be as many as 280 million electric vehicles (EV) on the road which bring with it a host of new challenges for manufacturers, mechanics and consumers alike, based on the latest outlook from the International Energy Agency.

### Future Technology = Future Fluids

While not requiring engine oil in the traditional sense, EV's do require a range of fluids to operate effectively. As the engineering in electric vehicles evolves it is creating new technical challenges in the rapidly evolving area of transmission fluids, battery coolants and greases "Many hybrid and electric vehicles need different transmission fluids because electrical components, such as electric motors, are in contact with the lubricant and the transmission oil is operating at higher temperatures," explains Matthias Donner, Castrol's Global Driveline Product Development Manager. "In addition, the engines run at a much higher revolution which increases stresses on the oil, the torque on gears and bearings is higher and the oil needs to be compatible with components which conduct electricity."

As a world-leader in lubricants, and a partner of many of the world's leading OEM's, Castrol is at the forefront of developments in the "e-fluid" space. By working closely with vehicle and component manufacturers, Castrol is able to identify and solve the emerging engineering problems of EV's to make these vehicles more efficient and increase their range. Examples include:

- Building the efficiency of the electrical motor and reducing the risk of breakdowns by optimizing the electrical properties of the gear oil
- Preventing corrosion of electrical components through good protection of copper parts

- Improving the cooling capabilities of the electrical engine to prevent overheating

### **The Evolution of Racing**

Motorsport has always been a part of Castrol's DNA - something that is still apparent today through partnerships with Renault F1 Team, Kelly Racing, Tickford Racing and more.

As Castrol looks to the future with their fluids, it is also looking to the future of motorsport with Castrol partnering Panasonic Jaguar Racing as it embarks on season six of the ABB FIA Formula E Championship.

- Using Castrol's advanced e-fluids onboard the new Jaguar I-TYPE 4, this partnership builds on a long and successful motorsport partnership. Over the years Jaguar Racing and Castrol have enjoyed extraordinary motorsport success, including victory at the prestigious Le Mans 24 Hours and the 24 Hours of Daytona. The addition of Castrol's e-fluids to the team will allow Jaguar and Castrol to collaborate, learn and win on the track whilst further developing advanced technology and e-fluids for the award-winning Jaguar I-PACE and future roadgoing Jaguar vehicles.
- For season six, the Jaguar I-TYPE 4, featuring an all new motor, gearbox, inverter, rear suspension and dampers has seen its overall weight reduced offering improved handling and performance.
- The lightest and most efficient powertrain the team has ever produced, the Jaguar I-TYPE 4 has a lower centre of gravity and will allow the team to push towards even more points, podiums and wins in season six.
- The new powertrain also features a new vehicle control module - which increases the processing capacity and allows faster rate of software development – this puts Jaguar at the forefront of battery electric vehicle innovation.

### **Technical Specifications of new I-Type 4:**

- Maximum power: 250kW, equivalent to 335bhp
- Race Mode (maximum power available): 200Kw, equivalent to 270bhp
- Maximum power regeneration: 250kW
- Maximum speed: 280km/h (173mph)
- Acceleration 0-100 km/h: 2.8 seconds
- Battery weight: 385kg
- Minimum weight (inc. driver): 900kg (battery 385kg)

Watch the video at <https://www.youtube.com/watch?v=LvOiex45onQ>

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## Castrol GTX Magnatec - Cruelty Free Man

See the video at <https://www.youtube.com/watch?v=PPB8CxIHKas>



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LUBRICANTS &  
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Contact the ILS team now

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Visit us at [www.ils.co.nz](http://www.ils.co.nz)

[View this email in your browser](#)

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