

# A capable, all-round tractor



*“Come spring, the 610 is responsible for ploughing, with the 640 slurry and dung spreading and drilling, before it is used in the summer with the farm’s trailed forager, with the 610 mowing, raking and maybe even clamping.”* Leslie Sloan.

**GORDONS**

# Comparing his new 145hp ARION 610 CIS with TIER 4 Final engine, with the 145hp TIER 3 ARION 630 it replaced and also his 2013 ARION 640 TIER 4I, Leslie Sloan says there is a noticeable difference in engine characteristics between them all, in favour of the ARION 610.

While all tractors are powered by DPS Powertech engines, there the similarity ends. In order to meet TIER 3 emission standards, the engine on the older TIER 3 ARION 630 used a combination of an intercooler and Exhaust Gas Recirculation (EGR). By comparison, the T4I engine on the 2013 ARION 640 adds a Diesel Oxidation Catalytic converter (DOC) and a Diesel Particulate Filter (DPF) to reduce exhaust emissions. However, the engine on the new T4F ARION 610 takes this technology a stage further by adding Selective Catalytic Reduction (SCR) using AdBlue to ensure that exhaust emissions are reduced to virtually nothing.

“The most noticeable difference between the new ARION 610 and the 640 is that due to having AdBlue the 610 runs far cooler,” he says. “On the 640 it’s noticeable how the temperature varies considerably, but on the 610 it just stays constant. The 610 also has more low down torque than the old 630 and it pulls really well. Over its first 1,000 hours its only used 100 litres of AdBlue, so you can’t complain about that.”

The Sloans’ 184ha farm near Biggar is mainly grass for their 100-cow suckler herd and progeny, which are taken through to finishing along with a further 40 bought-in suckler calves, but 60ha of cereals are grown for feed.

With just the two tractors on the farm the new ARION 610, fitted with an FL120 loader, is responsible for all the handling work and mucking out, and it powers a McHale bedder, while the 640 drives the diet feeder. Come spring, the 610

is responsible for ploughing, with the 640 slurry and dung spreading and drilling, before it is used in the summer with the farm’s trailed forager, with the 610 mowing, raking, baling and bale or grain handling.

“For ploughing, it is noticeable that because of the 610’s higher torque and heavier capacity rear axle, it handles the LEMKEN Euro 8 5-furrow plough far better.

“With the 630 we had to drop a furrow off as it struggled to handle it, but the 610 has no problem and is more than capable,” comments Leslie. “Also the new front axle suspension, in combination with the cab and loader suspension, means that the tractor is really comfortable to operate.”

“For what we are doing we don’t need things like electronic spools, so the CIS specification is more than adequate. However, for loader work the ELECTROPILOT control is ideal and the FL120 loader is ideally suited to the tractor. We have a 2.2m grab that we use on it, but the ARION is very stable and more than powerful enough to handle that and our 1.0 tonne toe-tip bucket.

“I never get any complaints from lorry drivers about speed of loading, and some even say I’m faster than many telehandlers.”



CLAAS ARION 610