BUILDING A PARTNERSHIP FOR THE FUTURE

CHARLES MALCOLM
GM EQUIPMENT, TRANSDIESEL

JULY 5 – 9 SUSTAINABILITY RELEASES

Stevenson says low-carbon concrete will become the norm

Dan Hutchinson - Mon, 5 Jul 2021

Stevenson Concrete says a new greenhouse gas-reducing product it is introducing will likely become its standard product.

The firm has installed CarbonCure technology at its new Drury plant, allowing it to re-use carbon dioxide captured from oil refining and reduce the amount of cement in its mixes.

Stevenson general manager Anthony Bitossi tells *Inside Resources* that the product performs as well as other concrete and the price will be about the same.

Read more

Silver Fern to quit coal by 2030

Gavin Evans - Fri, 9 Jul 2021

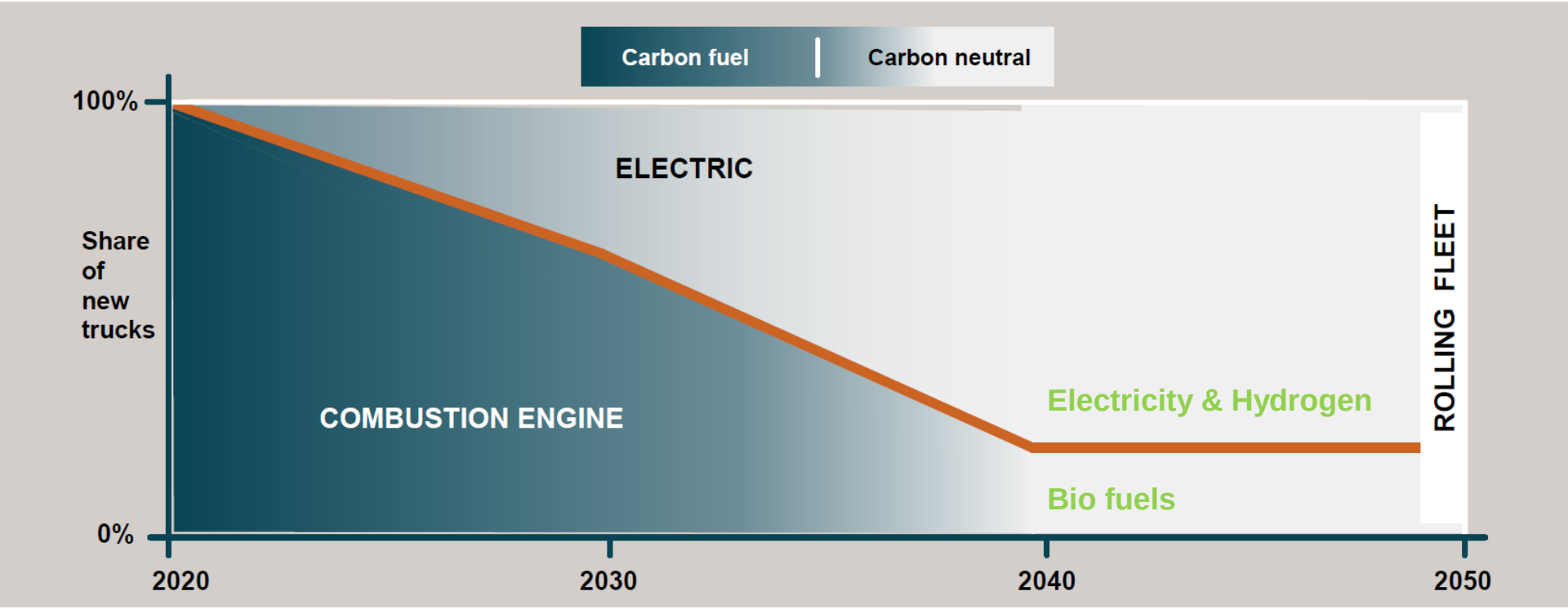
Silver Fern Farms, the country's biggest meat processor, has pledged to end its use of coal by 2030.

The firm, which operates 14 plants nationwide, has already committed $3.6 million to projects in Canterbury and Otago that will halve its coal use by 2023 – reducing emissions by about 14,000 tonnes a year.

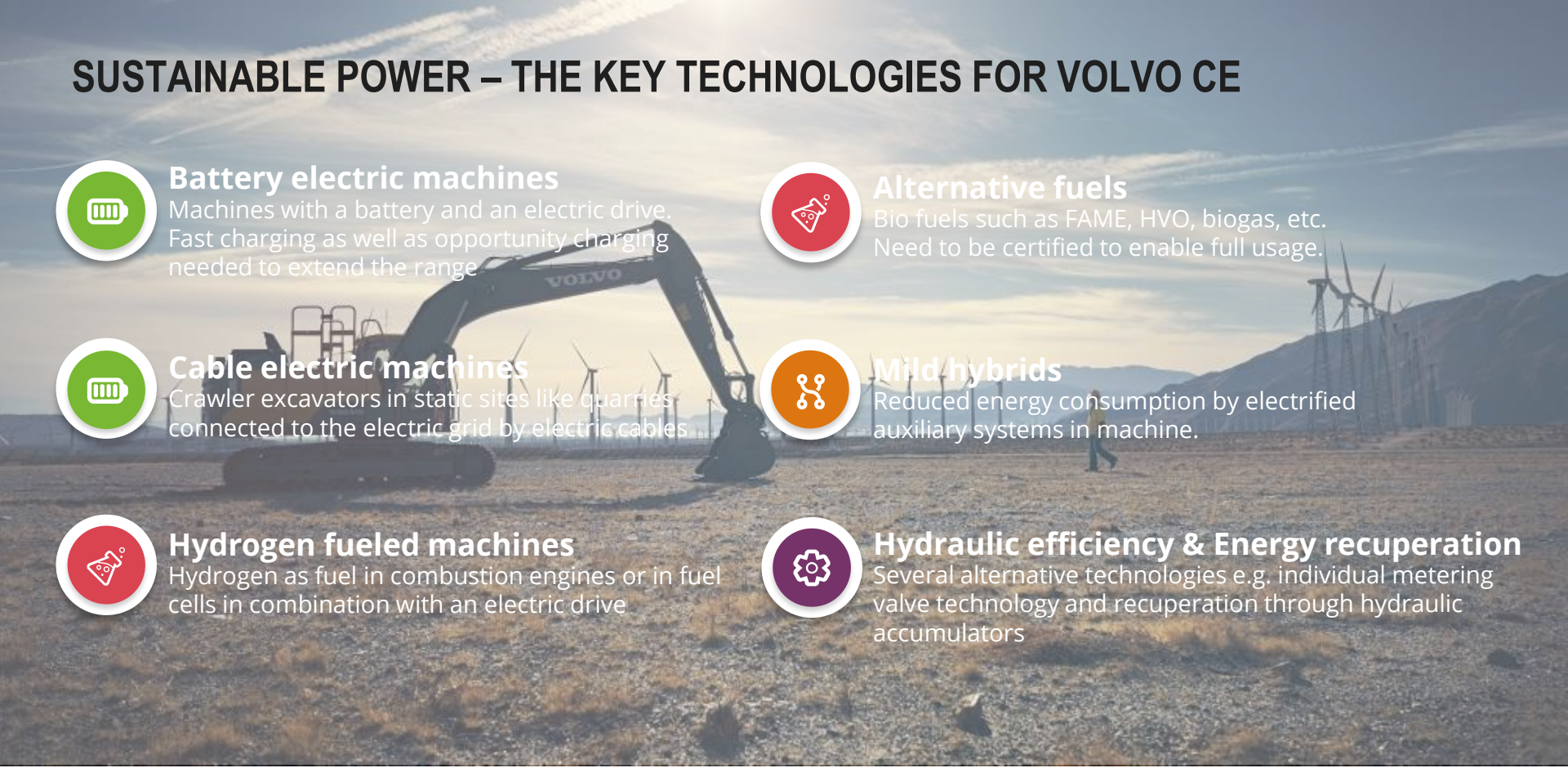
It now says it will reduce that usage by two-thirds by 2025 and entirely five years later through a combination of biomass and electrification.

Read more

100% FOSSIL FREE VOLVO GROUP VEHICLES FROM 2040



SUSTAINABLE POWER – THE KEY TECHNOLOGIES FOR VOLVO CE



Battery electric machines
Machines with a battery and an electric drive. Fast charging as well as opportunity charging needed to extend the range.

Alternative fuels
Bio fuels such as FAME, HVO, biogas, etc. Need to be certified to enable full usage.

Cable electric machines
Crawler excavators in static sites like quarries connected to the electric grid by electric cables.

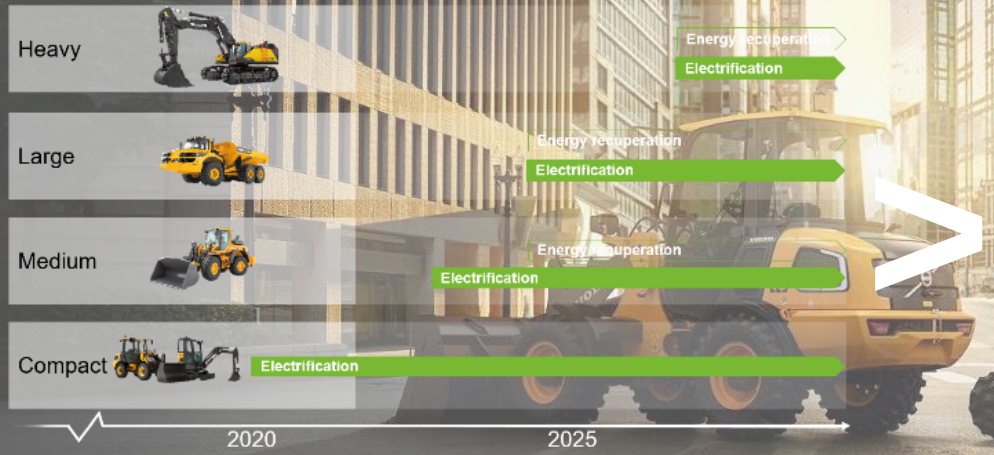
Mild hybrids
Reduced energy consumption by electrified auxiliary systems in machine.

Hydrogen fueled machines
Hydrogen as fuel in combustion engines or in fuel cells in combination with an electric drive

Hydraulic efficiency & Energy recuperation
Several alternative technologies e.g. individual metering valve technology and recuperation through hydraulic accumulators

WHEN TO USE WHAT TECHNOLOGY?

MARKET EXPANSION
Turning Commitments into Reality



Digitalisation

Market Potential

Market Readiness

New Business Models

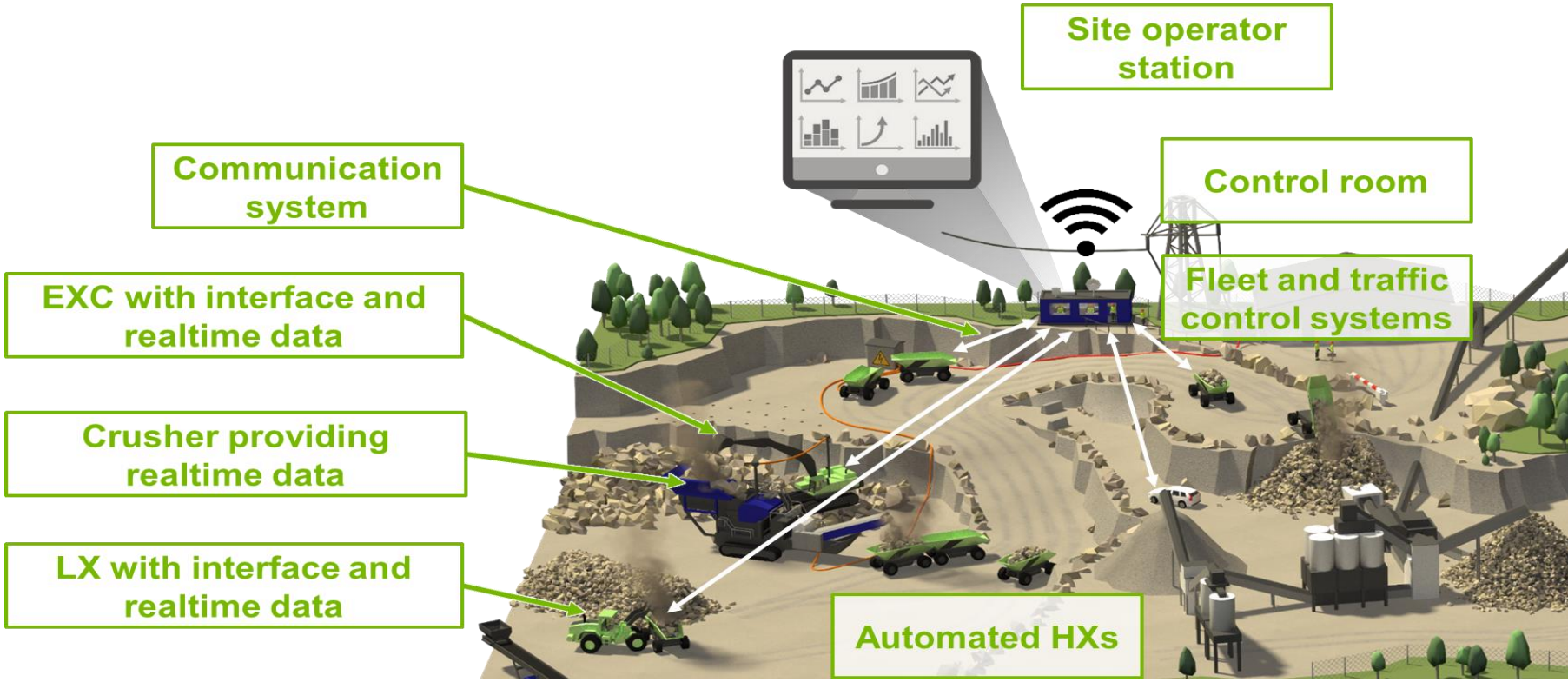
TRANSPORT ON PRE-DEFINED ROUTES IN REPETITIVE FLOWS

TARA

- AUTONOMOUS
- ELECTRIFIED
- CONNECTED

SAFE | FOSSIL FREE | PRODUCTIVE

THE ELECTRIC SITE WAY



CO-PILOT

DIG ASSIST
VOLVO CO-PILOT

LOAD ASSIST
VOLVO CO-PILOT

HAUL ASSIST
VOLVO CO-PILOT

MAP

Create a specific map for your site

- Visualizes all vehicles on site in real time
- Shows all roads and point of interest on the site
- Speed limit warnings helps operator to adhere to site speed limitations
- Machine positioning via GPS and machine to machine communication via GSM network

HAUL ASSIST OBW

Features overview

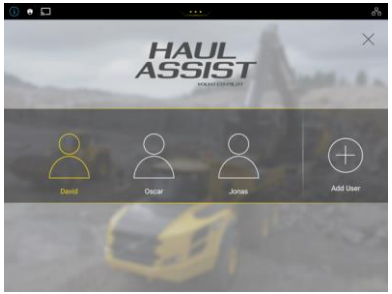
User ID: Add new user or select a user, no password is needed.

Project mode: Keep track on material distribution connected to project, target and material.

Trip counter: Counts dumped weight until reset by user.

Pause: The dumped weight is not added to any counters. The weight is still recorded and included in off-board reporting.

1. User selector



2. Project mode

3. Trip counter

4. Pause mode

WL OPERATOR COACHING

Put the operator in the driving seat of your TCO

Visual indication of how effectively the operator is operating the loader

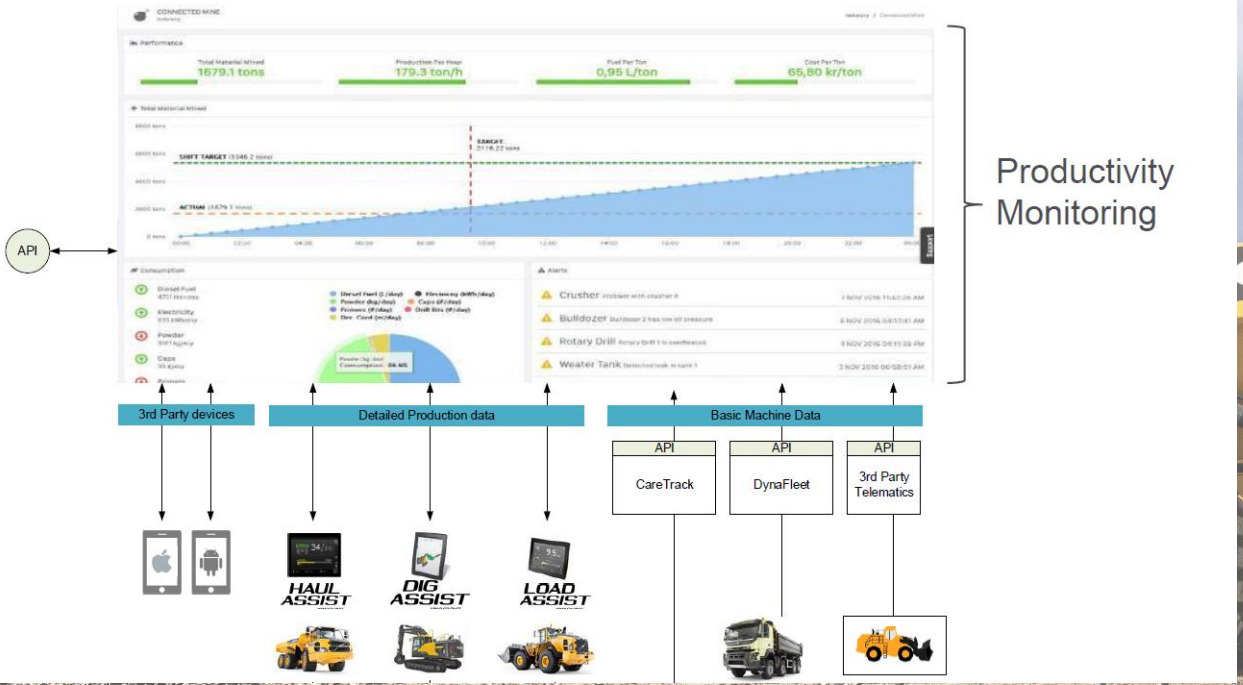
Keep track of four important parameters
- Utilization, Brake, Throttle & Lock-Up

Real time guidance through notifications
- Excessive idling, activate BSS, activate Lock up & wasting fuel

Historic view to analyze operator performance
- Per day & per hour

Dashboard with key information
- Operating time, distance, average fuel consumption and total consumption

PRODUCTIVITY MONITORING



Provides the Site Manager one easy view of his production to target (mixed fleet view).

EC250E HYBRID, EC300E HYBRID, EC350E HYBRID

- Introducing the enhanced version of EC300E Hybrid, and expanding the Hybrid range with 2 new models, EC250E Hybrid and EC350 Hybrid.
- Featuring unique hydraulic hybrid Volvo technology, these excavators utilize the boom down motion to charge the accumulator, with the stored energy used to drive the assist motor, which powers the engine system.
- Main benefits :
  - 100% Volvo engineered hybrid hydraulics
  - Up to 17% greater fuel efficiency
  - 15% lower fuel consumption
  - 15% less CO2 emissions

EC380E, EC480E HYDRAULIC HYBRID

- Expanding our range of hybrid excavators further, with the addition of 2 new models: EC380E Hybrid and EC480E Hybrid.

EC530EL & EC550EL

Productivity

20% more productivity:

- Highest engine power of their class;
- Superior swing torque and tractive force;
- Greater digging forces/lifting capacity;
- The longer/wider EC550E undercarriage.

Efficiency

- +25% fuel efficiency;
- Next-generation electrohydraulic system with IMVT;
- Engine pump optimization;
- Optimized hydraulic piping size & routing;
- Automatic hydraulic oil warm-up.

Safety

- 3-point right-hand side access to the upper structure;
- High-visibility handrails/guardrails;
- ROPS cab.

Controllability

- Boom/Swing and Boom/Travel priority;
- Adjustable boom-down speed;
- Boom and arm bouncing reduction;
- Creep travel mode;
- Comfort Drive Control;
- X1 constant flow;
- New joystick pattern change.

Durability

- Ultra-durable undercarriage, upper and lower frame;
- Reinforced digging equipment, including larger pin size;
- Electric connectors exceeding Ingress Protection 6K9K waterproofing standards.

Serviceability

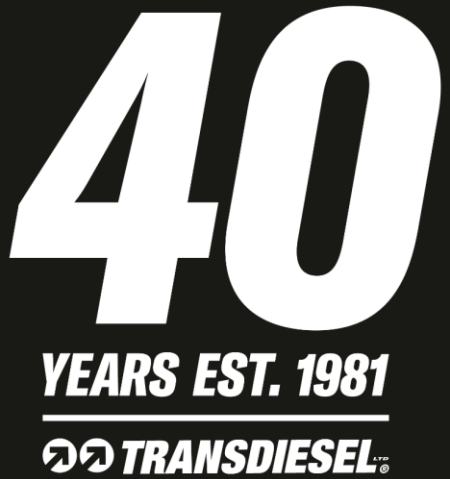
- Foldable walkways;
- Removed hydraulic pilot lines: reduced need for oil/couplings;
- Splash guard on the UREA/DEF tank;
- 1,000hr engine oil and engine oil filter change intervals.

New Solutions

- Dig Assist;
- On-Board Weighing;
- Volvo Smart View.

TRANSDIESEL / VOLVO AWARDS NIGHT

7pm Friday 16 July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YEARS EST. 1981
TRANSDIESEL LTD