MECA-RUN

CATALOG · FLEET LINE 2026

CARGO · DELIVERY · PASSENGERS · LONG HAUL

MORE KILOMETERS PER LITER, LESS SHOP TIME

French physical-action combustion catalyst · 100 % organic.
Efficiency program for diesel fleets with results measured on Costa Rican roads: better diesel performance, clean injectors and units prepared for the vehicle inspection.

Technologie & fabrication Française

9.71 %
better diesel performance in Grupo Tical's heavy fleet, with 73 t of CO_2 avoided
2022–2024

25 %
additional performance in Trancesa's Euro III city buses (stop & go)
Documented case

8 %
projected base improvement for a diesel fleet program
2026 Strategy

0.01
m^{-1} opacity in treated Euro V buses: 98 % below the limit
Vehicle inspection

FOR YOUR FLEET OPERATION



HEAVY CARGO



PASSENGER TRANSPORT



DELIVERY AND LOGISTICS



LONG HAUL

Fuel that does not burn is money going out the exhaust. Part of the diesel never burns completely: it comes out as black smoke, carbon deposits and hydrocarbons, fouls injectors, EGR and particulate filters, and forces the unit to stop. Meca-Run corrects combustion from the inside, without modifying the engine or stopping operations.

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HOW MECA-RUN WORKS IN THE ENGINE



C99 is a physical-action combustion catalyst, 100 % organic and made in France. It is not a solvent and does not alter the chemistry of diesel: it splits it into very fine droplets and speeds up its mixing with oxygen. The flame travels faster, the fuel burns completely and the engine delivers the same power with less injection. At the same time, it cleans the injection system and protects the tank from water and bacteria.

PROBLEM IN THE FLEET	EFFECT ON OPERATIONS	WHAT MECA-RUN DOES
Dirty injectors and pump	Poor atomization, more diesel per km, loss of power	Cleans injectors and pump and keeps them clean at every fill-up
Clogged EGR and particulate filter	Forced regenerations, workshop stops, fault codes	Less soot: extends the EGR and DPF maintenance interval
Water and bacteria in the tank	Sludge, saturated filters, corrosion, damaged injectors	Separates water and curbs bacteria (bactericidal effect)
Black smoke and high opacity	Failed vehicle inspection and fines on the road	Complete combustion: opacity well below the limit
Wear at cold start	Higher oil consumption and shorter engine life	P-18 protects the metal; oil lasts up to 50 % longer

INDICATORS WE MEASURE

km/L

Kilometers per liter via telematics, GPS or dispatch log

g CO_2/t-mile

EPA SmartWay logistics indicator per ton transported

m^{-1}

Free-acceleration opacity, as in the vehicle inspection

km between stops

Maintenance interval for injectors, EGR and DPF

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MECA-RUN FLEET LINE

A complete program for private cargo, delivery and passenger fleets: combustion, fuel system cleaning and mechanical protection. The Fleet line has its own label, different from the retail pack sizes, and is supplied in 250 ml. Other pack sizes and contracts: Sales Department 8930-9507.



C99 DIÉSEL FLOTILLAS

Combustion catalyst for diesel engines · flagship product

Complete combustion: more km per liter, less black smoke and less soot. Cleans injectors, pump, EGR, particulate filter and turbo; separates water and curbs bacteria in the tank.

USE: Trucks, buses, tractors, machinery, generators.

DOSAGE: 1:5,000 at every fill-up (10 ml per 50 L; 1 L per 5,000 L). Main tank or per unit.

PACK SIZES: 250 ml · Other pack sizes and contracts: Sales Department 8930-9507



C99 GASOLINA FLOTILLAS

Catalyst for gasoline engines

Complete combustion in light delivery vehicles and motorcycles: more km per liter, a cleaner exhaust and injection free of gums and varnishes.

USE: Light delivery, gasoline pickups, motorcycles.

DOSAGE: 1:5,000 at every fill-up (10 ml per 50 L).

PACK SIZES: 250 ml · Other pack sizes and contracts: Sales Department 8930-9507



ECO 10000 FLOTILLAS

Deep cleaning of the fuel system

Program kick-off: restores injectors, EGR and turbo without disassembly; removes water, sludge, bacteria and algae from the tank. Frees stuck injection pumps.

USE: Initial fleet cleaning and corrective treatment.

DOSAGE: 1:500 (1 L per 500 L) as initial cleaning; every ~30,000 km in heavy vehicles, optional.

PACK SIZES: 250 ml · Other pack sizes and contracts: Sales Department 8930-9507



P-18 FLOTILLAS

Anti-friction for engines and transmissions

A protective layer bonded to the metal: protects at cold start, extends oil life by up to 50 % and restores compression.

USE: Engines, gearboxes, differentials and hydraulics.

DOSAGE: 4 % of the oil volume; then ½ dose at each change.

PACK SIZES: 250 ml · Other pack sizes and contracts: Sales Department 8930-9507

DOSAGE: The 1:5,000 ratio (1 liter per 5,000 liters of fuel) applies to the C99 and C-Fuel 5000 lines; the exact dose for each application is given in its technical data sheet. ECO 10000 is dosed at 1:500 (1 liter per 500 liters) for fleets, marine, heavy machinery and industrial equipment.

TWO-STAGE EFFICIENCY PROGRAM

- **Stage 1 · Lubrication:** P-18 in the oil: less friction, longer-lasting oil and restored compression.
- **Stage 2 · Combustion:** ECO 10000 as initial cleaning (1:500) and C99 Diésel at every fill-up (1:5,000), in the main tank or per unit.
- **Follow-up:** baseline and monthly report of km/L, opacity and CO_2 avoided for your ISO 14001 / ISO 50001 management system.

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RESULTS ON COSTA RICAN ROADS

9.71 %
GRUPO TICAL
Better diesel performance in a regional heavy fleet (Jan 2022 – Feb 2024) and 73.16 t of CO_2 avoided.

25 %
TRANCESA
Additional performance in Euro III city buses, on high stop-and-go routes.

15 %
H&M GROUP
Better performance in trucks running on diesel and biodiesel.

15 %
MAYOREO DEL ISTMO
Better performance in heavy distribution transport.

5.9 %
INGENIO EL VIEJO · 2022 HARVEST
Harvester 7031: from 44.61 to 41.98 L/h. The diesel no longer consumed covered 2.8 times the cost of the product.

4.68 %
INGENIO TABOGA · 2025-26 HARVEST
Harvesters with C99 over 905 measured hours; up to 5.89 % in unit 101-24.

"Since January 2022 we have used Meca-Run products in all our diesel vehicles, locally and internationally. As of February 2024 we achieved fuel efficiency gains of 9.71 % in our heavy fleets, representing a reduction of 73.16 tons of CO_2, with significant drops in the opacity recorded at vehicle inspections."

GRUPO TICAL · REGIONAL LOGISTICS

EXAMPLE: FLEET USING 25,000 L OF DIESEL PER MONTH

ITEM	RESULT WITH AN 8 % BASE IMPROVEMENT
C99 Diésel required (1:5,000)	5 L per month
Diesel you no longer buy	2,000 L per month · 24,000 L per year
CO_2 avoided (2.68 kg CO_2/L, EPA factor)	≈ 64 t per year, reportable in your carbon inventory

Illustrative figures. The actual result is measured against your operation's baseline.

SIZES AND QUOTES
250 ml containers. Other pack sizes and contracts: Sales Department 8930-9507 · Juan Carlos Gutiérrez · jgutierrez@mecarun.cr.


BUSES


HEAVY CARGO


AGRO-INDUSTRY

ZERO-RISK PILOT WITH SHARED BENEFIT

1	**Diagnosis and NDA** Week 1	Technical visit, review of units, tanks and records. We sign a confidentiality agreement to protect your operating data.
2	**Baseline** Weeks 1–3	km/L per unit or route (telematics, GPS or log), opacity and injector condition. Test and control units on the same route and load.
3	**Measured pilot** Months 1–3	ECO 10000 to start and C99 Diésel at every fill-up for 1 to 3 months.
4	**Success bonus** Pilot close-out	If the validated net savings exceed the cost of the product, the surplus is shared 50/50 during the pilot. If not, the risk is ours.
5	**Annual contract** 12 months	Preferential volume rate through which your company keeps most of the savings (≈ 60 %). Scheduled delivery and technical support.
6	**Sustainability report** Monthly	Report of km/L, opacity and tons of CO_2 avoided using EPA methodology, for ISO 14001, ISO 50001 and Carbon Neutrality.



REGIONAL CARGO


INTERCITY BUSES


MACHINERY

WHY ZERO CAPEX

No equipment to buy, no engine modifications and no downtime. The product is dosed into the tank and pays for itself with the diesel your fleet no longer buys.

DATA FOR YOUR INVENTORY AND THE COUNTRY'S GOALS

- **Black carbon (NDC 2025-2035):** Costa Rica committed to reducing black carbon by 20 % by 2030, compared with 2021, in public transport (EN-3), freight transport (EN-6) and industry (EN-12). Black smoke from the exhaust and the stack is black carbon: burning fuel better helps reduce it.
- **National Decarbonization Plan 2018-2050:** its axis 3 promotes efficient, low-emission freight transport. During the transition, today's diesel fleet needs to burn every liter better.
- **IMN 2026 emission factors (16th edition):** diesel 2.613 kg of CO_2 per liter; gasoline 2.231; bunker 3.101. These factors are used to calculate the CO_2 in your inventory; Meca-Run provides the measured consumption and emissions data for that record.
- **National Carbon Neutrality Program 2.0 (Decree 41122-MINAE):** we provide measured before-and-after consumption and emissions data for your greenhouse gas inventory and reduction plan. Recognition is granted by the accredited verification body.

The planet thanks you, and so does your engine

No benzene. No toluene. Less opacity. Longer engine life.

MECA-RUN LATINOAMÉRICA · Apuqueña Car, S.A. · Exclusive representative for Central and Latin America

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Sources: *Results reported by customers in Costa Rica (Grupo Tical, Trancesa, H&M Group, Mayoreo del Istmo); test reports from Ingenio El Viejo (Mar 2022) and Ingenio Taboga (Dec 2025 – Feb 2026); EPA diesel emission factor. Every operation is different: that is why each implementation starts with a baseline and a measured test.*