MECA-RUN

TECHNICAL DATA SHEET · 2026 EDITION

ANTI-FRICTION · 2- AND 4-STROKE ENGINES · GEARBOXES · HYDRAULICS

P-18 MARINE

MINIMIZES FRICTION, EXTENDS OIL LIFE AND REDUCES ENGINE WEAR

Protects the engine, sterndrive and gearbox even at start-up, before the oil has arrived.



Technologie & Fabrication Française

MADE IN FRANCE · 100 % ORGANIC

HOW IT WORKS

P-18 bonds into the crystalline structure of the metal surface, in the free spaces between its atoms. It provides anti-wear and extreme-pressure lubrication before the oil film forms, protecting parts in contact even without oil pressure at every start.

WHAT YOUR BOAT GAINS

01 — LESS WEAR AT COLD START
Reduces engine wear at every cold start (500 to 1,000 rpm).

02 — LESS VIBRATION, BETTER COMPRESSION
Reduces vibration and improves the sealing of compression rings: restores compression in high-hour engines.

03 — LONGER-LASTING MECHANICAL PARTS
Increases the service life of engines, gearboxes, drives, shafts, hydraulic steering systems and winches.

04 — LOWER OPERATING TEMPERATURE
Lowers the operating temperature of engines and transmissions, and the oil temperature in hydraulic systems.

05 — MORE EFFICIENT OPERATION
Improves the operating efficiency of the engine and gearbox.

06 — LONGER-LASTING OIL
Extends oil life by up to 50 % and reduces oil consumption: fewer changes in port.

IDEAL FOR

- 2-stroke outboard (mix)
- Gearboxes and sterndrives
- 4-stroke and diesel engines
- Onboard generators
- Hydraulics and winches

TREATS

4 % · 2 %

4-stroke and diesel engines and gearboxes: 4 % of the oil. 2-stroke outboards: 2 % (20 ml per litre). Hydraulics: 2 %.

PACK SIZES

MARINE

250 ml	1 L or more
1 outboard	8930-9507

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DIRECTIONS FOR USE

1. With the engine warm, add the dose of P-18 Marine to the engine oil (or to the new oil after the change).
2. Run the engine at the dock for a few minutes so that the product circulates and bonds to the metal surfaces.
3. At each subsequent oil change, add half of the initial dose.

DOSAGE

APPLICATION	DOSE	FREQUENCY
4-stroke outboards and inboard diesel	**4 % of the engine oil**	Then ½ dose at every change
2-stroke outboard	**2 % of the 2-stroke oil (20 ml per litre)**	At every mix
Sterndrives, gearboxes and marine transmissions	**4 % of the oil**	At every change
Hydraulics (steering, trim tabs, winches)	**2 % of the oil**	At every change

WHICH PACK SIZE TO USE BY ENGINE (INITIAL DOSE AT 4 %)

Engine · crankcase oil	P-18 Marine
Outboard 25–70 hp · 1.5–3 L	**60–120 ml · 250 ml**
Outboard 90–150 hp · 4.3–4.5 L	**≈ 180 ml · 250 ml**
Outboard 175–250 hp V6 · 5.5–7 L	**220–285 ml · 250 ml**
Outboard 300–450 hp V8 · ≈ 8 L	**≈ 320 ml · 1 L for 3 engines**
Diesel ≈ 1,000 hp (e.g. CAT C18) · 49 L	**≈ 2 L per engine · 5 L for 2 engines**
Diesel 1,600–1,900 hp (e.g. MTU 12V 2000) · ≈ 113 L	**≈ 4.5 L per engine · 5 L per engine**
Sterndrive or outboard lower unit · ≈ 1 L	**≈ 40 ml**

Reference capacities from Yamaha, Caterpillar and MTU manuals; confirm with your engine manual. At each subsequent change, half dose.

SPECIAL USES AND TREATMENTS

Injectors and pumps: As a penetrant in injectors and injection pumps of marine diesel engines.

TECHNICAL DATA

Appearance	Free-flowing liquid
Colour	Red
Odour	Practically odourless
Density	0.895 kg/L
Flash point	> 60 °C
Solubility	Insoluble in water; soluble in hydrocarbons
Compatible with	Mineral and synthetic engine, transmission and hydraulic oils
Shelf life	24 months in a closed container
Storage	Below 35 °C, closed container, cool and dry place

SAFETY



SDS P 18 · rev. 13/06/2022 · DANGER

May be fatal if swallowed and enters airways. Do not induce vomiting. Keep out of reach of children. Emergencies (Costa Rica): 911 · CNCI 2223-1028.

Intended for sport-fishing, tourism and non-industrial fishing boats. Not tested on large vessels using bunker (fuel oil No. 6).

⚡ **MECA-RUN RECOMMENDATION**

In 2-stroke outboards, add 20 ml of P-18 Marine per litre of 2-stroke oil before mixing it with the gasoline.

BACKED BY Made in France by Hi-Tec International (Mécarun) · More than 14 years of results measured in Costa Rican companies · Reports using EPA methodology for your Environmental Management System (ISO 14001) and Energy Management System (ISO 50001) · Safety data sheet available in English and Spanish.