



# REKTOL CLASSIC OILS

LUBRICATION RECOMMENDATIONS FOR VW BEETLES  
AND VW TRANSPORTERS 1950 TO 1978



## REKTOL VW-BOXER ENGINE OILS

are universal HD engine oils that were specifically designed for the thermal requirements of air-cooled boxer engines. They prevent the formation of black sludge and acidic combustion products, even in frequent stop-and-go traffic. Increased proportions of ZDDP wear protection additives (≈zinc) ensure long engine life without damaging “old” organic sealing materials.

### REKTOL 15W-40 BOXER REKTOL 20W-50 BOXER

Further information can be found in the valid data sheets of the products.

#### Which viscosity is correct?

We generally recommend the viscosity 15W-40 for year-round operation in Germany.

We recommend the viscosity 20W-50

- for performance-enhanced engines with double carburetors, sports camshafts, displacement enlargement... e.g. also Öttinger TSV 2000 HS (for racing, circuit racing or drag racing, we recommend our **REKTOL SG Supersport 15W-60**)
- for high summer temperatures, especially without a front oil cooler (retrofitting)
- for engines with very high mileage (high degree of wear), low oil pressure and/or increased oil consumption
- for VW buses, especially with camping equipment and when towing a trailer

In contrast to the “thinner” viscosity of 15W-40, the oil flow rate slows down with a “thicker” viscosity of 20W-50 when starting cold as well as at moderate operating temperatures. To ensure a quick supply of all lubrication points and an optimal cooling effect, engine designers always strive for a fast oil flow.

The viscosity 20W-50, on the other hand, offers better “gap filling” for engines with high levels of wear and additional reserves at oil temperatures above 110 °C.

#### Remark:

This engine oil is also suitable for all other maintenance positions, such as oil bath air filters, locks, joints, levers, ignition distributors and so on.

REKTOL engine oils are available in 2 liters, 5 liters and 20 liters.





## REKTOL VW-BOXER TRANSMISSION OILS

### Manual transmission and steering gear

#### REKTOL Gear 400 SAE 80W-90

corresponds to the VW original requirements and is therefore ideal for manual transmissions and steering gears. This transmission oil was developed for manual and special transmissions as well as for hypoid drives under medium operating conditions. It meets the former requirements according to MIL-L-2105, MIL-L-2105A, MIL-L-2105B, MPL, HY, HYP, EP and corresponds to today's API GL-4/S standardization.

#### REKTOL Gear 400 SAE 80W-90

is specifically for VW Beetles and VW Transporters. Available in a practical 1 liter can with an integrated spout (see illustration).

#### Remark:

We recommend for steering gears with flow grease specification **REKTOL Azurit 000 EP**.

### Automatic Transmission

**REKTOL ATF 200** corresponds to the VW specification at the time (Dexron B).

### VW self-locking differential

A gear oil according to M2C28-B is required for this differential lock. We carry a corresponding Limited Slip gear oil under the product name

**REKTOL Gear 400 LS SAE 80W-90**.

REKTOL gear oils are available in 1 liter, 2 liter and 5 liter.



## REKTOL VW-BOXER GREASE LUBRICATION

### For the wheel bearings

we recommend our tried and tested wheel and roller bearing grease **REKTOL Opal EP-2**, which is based on lithium soaps (Li-12 hydrosystearate). This natural-colored, temperature-resistant grease contains highly effective additives to improve corrosion protection, aging resistance, wear protection (EP additives) and adhesion.

### For all other grease lubrication points

we recommend our blue lithium long-term grease **REKTOL Blue Diamond EP-2**. It is water-resistant, pressure-resistant, and anti-corrosion. These properties in combination with very good wear values and strong adhesion make it particularly suitable for lubrication under the most difficult, humid operating conditions.

### For steering gears with flow grease specification

we recommend our lithium flow grease **REKTOL Azurit 000 EP**.

This extremely soft fluid grease contains additives to improve rust and oxidation protection, adhesion and high extreme pressure absorption capacity.



REKTOL fats are available in 400 g, 500 g and 1 kg.



## REKTOL VW-BOXER BRAKE FLUID

For hydraulic brake systems, we recommend **REKTOL Brake Fluid DOT4**, which also meets the older DOT3 specification. This brake fluid based on polyalkylene glycol ether with a high boiling point reliably prevents vapor bubbles and protects the brake and clutch system from deposits and corrosion.

REKTOL brake fluid is available in 1 liter.

## REKTOL VW-BOXER SPECIALS

### Engine interior cleaning

Improper maintenance work by the previous owner, long periods of standstill or "delayed" oil changes can cause deposits in the engine, which would only be removed by fresh cleaning agents in the new engine oil. But this would immediately contaminate the fresh engine oil!

Our **REKTOL oil change fluid** contains highly active cleaning agents that intensively clean the engine shortly before the oil change and accelerate the draining of used oil.

A 300ml can of **REKTOL oil change fluid** is added to the warm engine shortly before an oil change. After the engine has run at increased idle speed for approx. 15 - 30 minutes, the used oil can be drained. The short-term use described guarantees that no sealing materials will be damaged.

**Attention: do not use for driving.**

REKTOL oil change fluid is available in 300 ml.

