

# The New Standard in DAF Engine Oil

DAF introduces the latest breakthrough in engine oil technology: PSQL 2.4. Designed to maximize the performance and efficiency of your DAF vehicles, this cutting-edge lubricant sets a new industry standard. The quality of the engine range is guaranteed. This is on the proviso that DAF engine oil—which meets the same high-quality requirements—is used to lubricate the moving engine parts.

### Superior Quality Lubricants range

As part of the PACCAR Superior Quality Lubricants range, PSQL 2.4 surpasses our successful PSQL 2.1 engine oil. By choosing PSQL 2.4, you can provide your fleet with the following benefits:

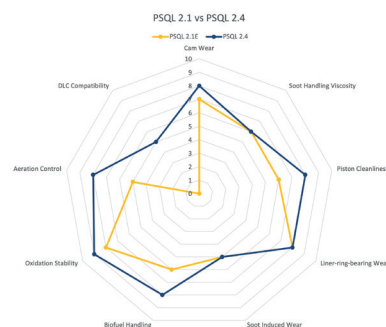
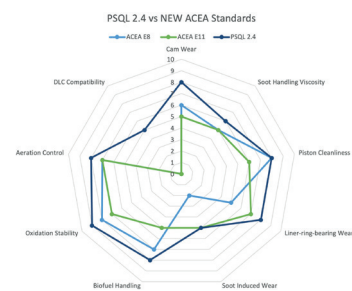
- ✓ One engine oil for the entire DAF fleet, simplifying your maintenance processes.
- ✓ Exceeding the latest ACEA standards, ensuring superior performance and protection.
- ✓ Available in various packaging options to meet your specific needs.



### The fuel efficiency solution

With PSQL 2.4, you have the fuel efficiency solution for your DAF-trucks. This engine oil (SAE 10W-30) is a premium performance, semi-synthetic, heavy-duty engine oil. PSQL 2.4 is suitable for Euro 3, Euro 4, Euro 5, and Euro 6 vehicles, exceeding the requirements for ACEA E8 Extended Drain Interval and E11 Standard Drain Interval. By choosing PSQL 2.4, you can ensure the correct service interval and maximize uptime for your DAF-truck.

PSQL 2.4 (SAE 10W-30) is a combination of premium base oil and additives to provide optimal protection for diesel engines. It is a high-performance, fuel saving lubricant. PSQL 2.4 features an advanced, low-SAPS formulation (low sulphated ash, phosphorus and sulphur content) to protect diesel engines.



## PSQL 2.4



### Product highlights

- ✓ Helps to reduce operating costs; protects against wear, corrosion and soot formation.
- ✓ Can lower fuel consumption by up to 3.4% compared to SAE 10W-40 oils.
- ✓ Improved after-treatment system protection.
- ✓ Permanently clean performance; for better combustion pressure with minimal wear.
- ✓ Reduced oil consumption.
- ✓ Extended oil change interval.
- ✓ Advanced wear protection.
- ✓ Broad temperature performance; offers wear resistance during a cold start.

### Advantages for the customer

1

#### Maximum uptime

Facilitates extended oil change intervals thanks to better engine performance and improved protection of the emissions system.

2

#### Reduces exhaust emissions

Low-SAPS technology protects catalytic converters and particulate filters.

3

#### High protection

Improved flow characteristics and better pumping ability protect the engine during a cold start.

4

#### Cleaning performance

Reliable lubrication stability ensures cleaner pistons, protects against wear and controls soot.

5

#### Reduces fleet costs

Less downtime, lowers cleaning and maintenance costs, and reduces fuel consumption. PSQL 2.4 LD (SAE 10W-30) reduces maintenance and provides additional fuel savings.

6

#### Suitable for a wide range of vehicles

Compatible with older specifications (Euro 3, Euro 4, Euro 5 and Euro 6) and suitable for both diesel and tbc.





## Applications PSQL 2.4

- ✓ For turbocharged and non-turbocharged diesel engines that require an ACEA E11, API CK-4 class and an SAE 10W30 viscosity grade.
- ✓ For diesel engines with reduced CO<sub>2</sub> emissions meeting the 2017 CO<sub>2</sub> requirements (GHG 17), diesel engines.
- ✓ With low emissions meeting the 2010 standards and Euro 4 to Euro 6 engines\*; with SCR, particulate filter and EGR systems.

- ✓ For engines with SCR, particulate filter and EGR systems that are used in construction, agriculture, shipping and mining and that have to meet Tier IV (2014) emission standards.
- ✓ Compatible with older engine models\* and previous API oil categories. Suitable for both diesel and tbc.
- ✓ Recommendations may vary by engine manufacturer. If in doubt, consult the operator's manual and/or contact the dealer.

## Additional for PSQL 2.4 LD

- ✓ For turbocharged or non-turbocharged diesel engines used in demanding transport applications requiring ACEA E8; facilitates extended oil change intervals in conjunction with low sulphur fuels\*.
- ✓ For use in trucks and buses equipped with gas engines.
- ✓ Provides good performance in particulate filters, EGR systems (exhaust gas recirculation) and SCR aftertreatment systems (selective catalytic reduction).

\* Recommendations may vary by engine manufacturer. If in doubt, consult the operator's manual and/or contact the dealer.

## Suitable for other brands

Every truck deserves the best engine oil. PSQL 2.4 LD (SAE 10W-30) is also suitable for trucks from other brands. Therefore, use the New DAF Oil Standard for optimum performance of your truck.



### PSQL 2.4

### PSQL 2.4 LD

#### APPROVALS

Cummins	CES 20086	CES 20076
Detroit Diesel	DFS 93K222	-
Deutz	DQC III-10 LA, DQC III-18 LA	DQC IV-10 LA
Mack	EOS-4.5	EO-N
Mercedes-Benz	MB-approval 228.51	MB-approval 228.51 <sup>*1</sup>
Mercedes-Benz	MB-approval 228.31	-
MTU	Oil category 2.1	Oil category 3.1
Renault Trucks	RLD-3	RLD-2
Volvo	VDS-4.5	VDS-3
MAN	M3775	-

#### PERFORMANCE

ACEA	E11	E8, E11
API	CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, SN Plus	CI-4, CH-4
Caterpillar	ECF-3	-
DAF	Standard Drain (Euro 4 to Euro 6) <sup>*</sup>	Extended Drain (Euro 4 to Euro 6) <sup>*2</sup>
Mack	EO-O Premium Plus, EO-N, EO-M Plus, EO-M	EO-M Plus, EO-M
MAN	M3575	M3477, M3271-1
Renault Trucks	RLD-2, RLD, RGD	RXD, RLD, RGD
Volvo	VDS-4, VDS-3	-
ZF	TE-ML 03K	-
Cummins	-	CES20077
JASO	-	DH-2

#### SUITABLE FOR USE

Renault Trucks	RD-2, RD	RD-2, RD
Volvo	VDS-2, VDS	VDS-2, VDS

\* Recommendations may vary by engine manufacturer. If in doubt, consult the operator's manual and/or contact the dealer.

<sup>\*1</sup> MB 226.9 has been deprecated. MB-Approval 228.51 now applies to gas engines.

<sup>\*2</sup> Can be used in Euro 4 and Euro 5 MX engines and in Euro 6 MX and PX engines from DAF.

## Exceeds ACEA standards

The specifications of the new DAF oil standard have been intensively tested in 7 performance areas. The PSQL 2.4 standard exceeds ACEA standards in every area. This makes engine oil with PSQL 2.4 approval the most durable and cost-efficient choice.



### PSQL 2.4

### PSQL 2.4 LD

TEST	TEST METHODS	RESULTS	RESULTS
Viscosity grade		SAE 10W-30	SAE 10W-30
Density @ 15°C	ASTM D4052	0.868	0.861
Kinematic viscosity at 100°C, mm²/s	ASTM D445	11.9	12.1
Kinematic viscosity at 40°C, mm²/s	ASTM D445	81.0	82.0
Viscosity Index	ASTM D2270	142	144
Pour point, °C	ASTM D97	-46	-42
Flash point COC, °C	ASTM D92	227	236
Total Base Number (TBN), mg KOH/g	ASTM D2896	10	10
Sulphated Ash, %wt	ASTM D874	1.0	1.0

**Shelf life:** 60 months from the filling date indicated on the product label.

The information provided in the particular data is not a specification, but is an indication based on current production and may be affected by allowable

production tolerances. The right to make adjustments is reserved. This replaces all previous editions and the information shown therein.





### Fleet-wide fuel efficiency

Boost your truck's fuel efficiency by up to 3.4%, while also improving reliability, piston cleanliness, and soot handling. Additionally, PSQL 2.4 Axle Oil will be available in autumn 2024 to complement the engine oil.

Don't miss out on this opportunity to enhance the performance and efficiency. Place your order for PSQL 2.4 now by visiting the DAF webshop.



**Experience the new standard in DAF engine oil and enjoy all the benefits it brings!**

**Disclaimer:** DAF Trucks | PACCAR Parts Europe is not responsible for loss or damage caused by the use of this product for applications other than those specifically mentioned in product data sheets.

**Health, safety, storage and the environment:** Based on the information currently available, this product is not considered to have adverse health effects if used for the appropriate application and in accordance with the recommendations in the Material Safety Data Sheet (MSDS). MSDSs are available on request from your local point of sale or via the Internet. This product may not be used for any purpose other than that for which it is intended. Take environmental considerations into account and observe local regulations when disposing of the used product.

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