

General guidelines

portal.daf.com/tsiweb/tsi/environment/future-development/alternative-fuels/general-guidelines/index.html

Based on gathered knowledge concerning the effects of alternative fuels, DAF supports the following rule:

Alternative fuels and mixtures of diesel fuel for DAF vehicles are allowed, if all conditions that are mentioned below are met.

PLEASE NOTE: For service intervals check with DAF RMI.

Indication of current and previous engine types and vehicle series descriptions:

Engine type	Euro Emission Class	Series	<ul style="list-style-type: none"> • B100⁽¹⁾ • EN14214 	<ul style="list-style-type: none"> • B10⁽²⁾ • EN16734 	<ul style="list-style-type: none"> • B20⁽³⁾ / B30⁽⁴⁾ • EN16709 	<ul style="list-style-type: none"> • XTL⁽⁵⁾ • EN15940
BE - CE	Euro III (and earlier)	LF and CF65	Not OK	OK	B20	OK
PE	Euro III (and earlier)	CF75	See summary of conditions ⁽⁶⁾	See summary of conditions	See summary of conditions ⁽⁷⁾	OK
XE	Euro III (and earlier)	95XF	Not OK	Not OK	Not OK	OK
XE	Euro III (and earlier)	CF85 - XF95	See summary of conditions ⁽⁶⁾	See summary of conditions	See summary of conditions ⁽⁷⁾	OK
FR - GR	Euro IV / V	LF and CF65	Not OK	OK	B20	OK
PR	Euro IV / V	CF75	See summary of conditions ⁽⁶⁾	See summary of conditions	See summary of conditions ⁽⁷⁾	OK
MX	Euro IV / V	CF85 - XF	See summary of conditions ⁽⁶⁾	See summary of conditions	See summary of conditions ⁽⁷⁾	OK
PX-4 / PX-5 / PX-7	Euro VI	LF / CF	Not OK	OK	B20	OK
MX-11 / MX-13	Euro VI	CF / XF MY2015	Not OK	Not OK	Not OK	Not OK
MX-11 / MX-13	Euro VI	CF / XF MY2017	Not OK	OK	OK ⁽⁷⁾	OK

Engine type	Euro Emission Class	Series	<ul style="list-style-type: none"> • B100 • EN14214 	<ul style="list-style-type: none"> • B10 • EN16734 	<ul style="list-style-type: none"> • B20 / B30 • EN16709 	<ul style="list-style-type: none"> • XTL • EN15940
MX-11 / MX-13	Euro III / V	CF / XF MY2017	Not OK ⁽⁸⁾	OK ⁽⁸⁾	OK ⁽⁷⁾⁽⁸⁾	OK ⁽⁸⁾

(1) To be classified as B100 a minimum of 96,5% FAME is required

(2) To be classified as B10 a maximum of 10% FAME is allowed

(3) To be classified as B20 the level of FAME has to be between 16% and 20%

(4) To be classified as B30 the level of FAME has to be between 26% and 30%

(5) Paraffinic diesels XTL: HVO/GTL/CTL/BTL - Do not contain aromatic compounds

(6) PLEASE NOTE: Service intervals are shorter when using B100 (EN14214), additional maintenance is required (check DAF RMI for more details)

(7) PLEASE NOTE: Service intervals are shorter when using B30 (EN16709), additional maintenance is required (check DAF RMI for more details)

(8) For markets outside Europe deviating local standards may apply. As long as these local standards are equivalent to EN590 / EN16734 / EN16709 and EN15940 the conditions for using alternative fuels are the same as for MY17 CF and XF Vehicles in Europe. Please check the service interval information on DAF RMI to see if the local standards for your market are equivalent to EN590 / EN16734 / EN16709 and EN15940.

Summary of conditions

REMARK: All blends of paraffinic diesels XTL (HVO/GTL/BTL/CTL) with regular diesel are allowed as long as the specification of the final blends comply with the EN590 specifications. For example blends up to 50% are available and still comply with EN590 specifications. Furthermore, all paraffinic diesels that comply with EN15940 are allowed in all non-EURO VI vehicles.

Vehicle- and engine range	Conditions
All MY17 CF and XF vehicles (Euro 3-5)	Only diesel according to EN590 ⁽⁸⁾ or Biodiesel according to EN16734 ⁽⁸⁾ / EN16709 ⁽⁸⁾ or Paraffinic diesel XTL (HVO/GTL/BTL/CTL) according to EN15940 ⁽⁸⁾ is allowed. Furthermore, any mixture of Biodiesel (according to EN16734 ⁽⁸⁾ / EN16709 ⁽⁸⁾) with regular diesel according to EN590 ⁽⁸⁾ is possible. As well as any mixture of Paraffinic diesel according to EN15940 ⁽⁸⁾ with regular diesel according to EN590 ⁽⁸⁾ is possible

Vehicle- and engine range	Conditions
All MY17 CF and XF vehicles (Euro 6)	Only diesel according to EN590 or Biodiesel according to EN16734 / EN16709 or Paraffinic diesel XTL (HVO/GTL/BTL/CTL) according to EN15940 is allowed. Furthermore, any mixture of Biodiesel (according to EN16734 or EN16709 with regular diesel according to EN590 is possible. As well as any mixture of Paraffinic diesel according to EN15940 with regular diesel according to EN590 is possible
All MY15 CF MX-11/MX-13 and XF (Euro 6)	Only diesel according to EN590 is allowed. (This means a maximum addition of 7% biodiesel)
All MY15 CF PX-7 and LF (Euro 6)	Only diesel according to EN590 or Biodiesel according to EN16734 and mixtures of diesel according to EN590 with a maximum of 20% Biodiesel according to EN16709 are allowed. Paraffinic diesel XTL (HVO/GTL/BTL/CTL) according to EN15940 is only allowed when the engine complies with the OBD-C standard.
All EURO V "EEV" type vehicles equipped with passive soot filter	Only diesel according to EN590 is allowed (This means a maximum addition of 7% biodiesel) or Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940.
All EURO III vehicles retrofitted with a passive soot filter unit (released by the DAF after sales department)	Only diesel according to EN590 is allowed (This means a maximum addition of 7% biodiesel) or Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940.
All vehicles and engine ranges	There may be no negative (destructive) chemical reaction of the fuel on any of the engine or fuel system components.
All vehicles and engine ranges	All of the official effectuated EN590 Fuel Standard requirements must be met. In all cases the last revision of EN590 is referred to.
LF vehicles with BE, CE engines; according to EURO III emissions class	Only diesel according to EN590 or Biodiesel according to EN16734 and mixtures of diesel according to EN590 with a maximum of 20% Biodiesel according to EN16709 are allowed. Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940 is also allowed.
LF vehicles with FR, GR engines	Only diesel according to EN590 or Biodiesel according to EN16734 and mixtures of diesel according to EN590 with a maximum of 20% biodiesel according to EN16709 are allowed. Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940 is also allowed.
95XF vehicles with XE engines	Only diesel according to EN590 is allowed (This means a maximum addition of 7% biodiesel) or Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940.

Vehicle- and engine range	Conditions
XF95 vehicles with XE engines	Only diesel according to EN590 or Biodiesel according to EN14214, EN16734, EN16709 or Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940 is allowed. Furthermore, any mixture of Biodiesel (according to EN14214, EN16734 or EN16709) with regular diesel according to EN590 is possible. As well as any mixture of Paraffinic diesel according to EN15940 with regular diesel according to EN590 is possible.
<ul style="list-style-type: none"> • CF75/CF85 vehicles with PE and XE engines until • chassis number 0E552890 	Only diesel according to EN590 is allowed (This means a maximum addition of 7% biodiesel) or paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940.
<ul style="list-style-type: none"> • CF75/CF85 vehicles with PE and XE engines from • chassis number 0E552891 	Only diesel according to EN590 or Biodiesel according to EN14214, EN16734, EN16709 or Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940 is allowed. Furthermore, any mixture of Biodiesel (according to EN14214, EN16734 or EN16709) with regular diesel according to EN590 is possible. As well as any mixture of Paraffinic diesel according to EN15940 with regular diesel according to EN590 is possible
CF75/CF85 and XF105 vehicles with PR and MX engines	Only diesel according to EN590 or Biodiesel according to EN14214, EN16734, EN16709 or Paraffinic diesel XTL (HVO/GTL/CTL/BTL) according to EN15940 is allowed. Furthermore, any mixture of Biodiesel (according to EN14214, EN16734 or EN16709) with regular diesel according to EN590 is possible. As well as any mixture of Paraffinic diesel according to EN15940 with regular diesel according to EN590 is possible
All vehicles and engine ranges	Straight Vegetable Oil (SVO) is NOT allowed.