




List of equipment compatible with HVO100 fuel

Cut CO₂ emissions by up to 90% with HVO100 fuel.

Equipment	Model name	Sold	Engines	Stage emissions
Reachstackers 	DRF	2003 - 2015	Cummins QSM-11 Volvo TAD-1240-VE Volvo TAD-1250-VE Volvo TAD-1360-VE	EU2 / EPA Tier 2 EU3 / EPA Tier 3
	DRT	2010 - 2018	Cummins QSM-11 Volvo TAD-1150-VE	EU3 / EPA Tier 3
	DRG	2013 -	Cummins QSM-11 Volvo TAD-115X-VE Volvo TAD-117X-VE Volvo TAD-118X-VE Volvo TAD-85X-VE Volvo TAD-87X-VE Volvo TAD-88X-VE	EU3 / EPA Tier 3 EU4 / EPA Tier 4F EU5
	DRU	2017 -	Cummins QSM-11 Volvo TAD-115X-VE Volvo TAD-117X-VE Volvo TAD-118X-VE	EU3 / EPA Tier 3 EU4 / EPA Tier 4F EU5
Empty Container Handlers 	DCF	2007 - 2017	Cummins QSB-6,7 Volvo TAD-760-VE Volvo TAD-762-VE	EU3 / EPA Tier 3
	DCT	2008 - 2018	Cummins QSB-6,7 Volvo TAD-851-VE	EU3 / EPA Tier 3
	DCG	2016 -	Cummins QSB-6,7 Volvo TAD-85X-VE Volvo TAD-572-VE Volvo TAD-871-VE Volvo TAD-881-VE	EU3 / EPA Tier 3 EU4 / EPA Tier 4F EU5
	DCU	2017 -	Cummins QSB-6,7 Volvo TAD-850-VE Volvo TAD-572-VE	EU3 / EPA Tier 3 EU4 / EPA Tier 4F

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Forklifts (Diesel) 	DCG 50-90	20XX - 2022	AGCO 44 (77 - 85 kW)	EU4 / EPA Tier 4F
	DCG 90-180 DCG 70-35E		Volvo TAD-55X/85X-VE Volvo TAD-57X/87X-VE Volvo TAD-58X/88X-VE	EU3A / EPA Tier 3 EU4 / EPA Tier 4F EU5 / EPA Tier 4F
	DCG 100T-180T DCG 70-35ET		Cummins QSB4.5 + QSB6.7 Cummins B4.5 + B6.7	EU3A / EPA Tier 3 EU5 / EPA Tier 4F
	DCG 180-330	20XX - 2022	Volvo TAD-85X/115X-VE Volvo TAD-87X/117X-VE Volvo TAD-88X/118X-VE	EU3A / EPA Tier 3 EU4 / EPA Tier 4F EU5 / EPA Tier 4F
	DCG 380-540 DCG 400-410 GS DCG 600-720		Cummins QSB6.7 Cummins B6.7 Cummins QSM11	EU3A / EPA Tier 3 EU5 / EPA Tier 4F EU3A / EPA Tier 3
DCF 50-90	20XX - 2014	AGCO 44 (77 - 85 kW)	EU4 / EPA Tier 4F	
DCF 90-180	20XX - 2012	Volvo TAD-620/720-VE Volvo TAD-650/750-VE Volvo TAD-660/760-VE Cummins QSB6.7	EU3A / EPA Tier 3 EU3A / EPA Tier 3 EU3B / EPA Tier 4i EU3A / EPA Tier 3	
DCF 70-35E				
DCF 180-330	20XX - 2015	Volvo TAD-720-VE Volvo TAD-750-VE Volvo TAD-760-VE Cummins QSB6.7	EU3A / EPA Tier 3 EU3A / EPA Tier 3 EU3B / EPA Tier 4i EU3A / EPA Tier 3	
DCF 370-520	20XX - 2020			
DCF 360-410 CS	20XX - 2020	Volvo TWD-1240-VE Volvo TWD-1250-VE Volvo TAD-1350-VE Volvo TAD-1360-VE Cummins QSM11	EU2 / EPA Tier 2 EU3A / EPA Tier 3 EU3A / EPA Tier 3 EU3B / EPA Tier 4i EU3 / EPA Tier 3	
Terminal Tractors (Diesel) 	OT2 KT2 TL2 TT/TR/TRL618i	2014 - 2016 - 2018 - 2006 -	Cummins QSB6.7 Cummins QSB6.7 Cummins QSB6.7 Cummins QSB6.7	EU5 / EPA Tier 4F EU Stage 3A / 5 EU Stage 3A EU Stage 3A / 5
			* Any earlier model with Cummins B series & Volvo TAD Series engines approved	

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Straddle & Shuttle Carriers 	ESC	2011 - 2014 2014 - 2020 -	Agco 98 ATI Volvo TAD-1142-VE Volvo TAD-1152-VE Volvo TAD-1172-VE Volvo TAD-1182-VE	EU3B / EPA Tier 4i EU2 / EPA Tier 2 EU3A / EPA Tier 3 EU4 / EPA Tier 4F EU5
	HSC	2013 - 2014 2014 - 2020 -	Agco 44 AWI Agco 44 AWF Volvo TAD-580-VE	EU3B / EPA Tier 4i EU4 / EPA Tier 4F EU5
	ESH	2011 - 2014 2014 - 2020 -	Agco 84 AWI Volvo TAD-1142-VE Volvo TAD-1152-VE Volvo TAD-1172-VE Volvo TAD-1182-VE	EU3B / EPA Tier 4i EU2 / EPA Tier 2 EU3A / EPA Tier 3 EU4 / EPA Tier 4F EU5
	HSH	2013 - 2014 2014 - 2020 -	Agco 44 AWI Agco 44 AWF Volvo TAD-580-VE	EU3B / EPA Tier 4i EU4 / EPA Tier 4F EU5

Important information.

Check with your local Kalmar team to make sure your Kalmar equipment can use HVO100 and if it needs a minor upgrade before you start using HVO100. HVO100 is manufactured to the EN15940 Standard in Europe, if HVO100 is available in your market please check that it complies with your local manufacturing standards. HVO100 cannot be substituted for by other Biofuels that are not regulated or have been approved by the engine manufacturer. Use of Biofuels that have not been certified or approved for usage by the OEM should not be used.