





Kalmar equipment compatible with HVO fuel


Cut CO₂ emissions by up to 90% with HVO 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 |

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| 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  | 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 DCG 380-540 DCG 400-410 GS DCG 600-720 | 20XX - 2022 | Volvo TAD-85X/115X-VE Volvo TAD-87X/117X-VE Volvo TAD-88X/118X-VE Cummins QSB6.7 Cummins B6.7 Cummins QSM11 | EU3A / EPA Tier 3 EU4 / EPA Tier 4F EU5 / EPA Tier 4F EU3A / EPA Tier 3 EU5 / EPA Tier 4F EU3A / EPA Tier 3 |
| | DCF 50-90 DCF 90-180 DCF 70-35E | 20XX - 2014 20XX - 2012 | AGCO 44 (77 - 85 kW) Volvo TAD-620/720-VE Volvo TAD-650/750-VE Volvo TAD-660/760-VE Cummins QSB6.7 | EU4 / EPA Tier 4F EU3A / EPA Tier 3 EU3A / EPA Tier 3 EU3B / EPA Tier 4i EU3A / EPA Tier 3 |
| DCF 180-330 DCF 370-520 DCF 360-410 CS | 20XX - 2015 20XX - 2020 20XX - 2020 | Volvo TAD-720-VE Volvo TAD-750-VE Volvo TAD-760-VE Cummins QSB6.7 Volvo TWD-1240-VE Volvo TWD-1250-VE Volvo TAD-1350-VE Volvo TAD-1360-VE Cummins QSM11 | EU3A / EPA Tier 3 EU3A / EPA Tier 3 EU3B / EPA Tier 4i EU3A / EPA Tier 3 EU2 / EPA Tier 2 EU3A / EPA Tier 3 EU3A / EPA Tier 3 EU3B / EPA Tier 4i EU3 / EPA Tier 3 | |

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| Terminal Tractors  | OT2 | 2014 - | Cummins QSB6.7 | EU Stage 3A / EU5 / EPA Tier 4F |
| | KT2 TL2 TT/TR/TRL618i | 2016 - 2018 - 2006 - | Cummins QSB6.7 Cummins QSB6.7 Cummins QSB6.7 | 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.

<https://go.kalmarglobal.com/compatible-equipment>