



Summary of current design registered diesel engine systems (DES) for supply as of - 31 August 2017

Registration (MDR) No.	Registration Owner	Date of CDR	Valid Until	Description	Make	Model
MDR 155331 DES-1a	Freudenberg Filtration Technologies (Aus) Pty Ltd	12-Jul-17	07-Aug-20	DA300 DA300LL) as an alternative for use in listed diesel engine systems. This alteration includes an addition alternative diesel exhaust Single Shift filter, part number DA200-1S	Freudenberg Filtration Technologies (Aus) Pty Ltd	N/A
MDR 155331 DES-1	Freudenberg Filtration Technologies (Aust) Pty Ltd	06-Jul-17	07-Aug-20	Use of Freudenberg (Microfresh) diesel particulate exhaust filter elements (part numbers DA200-1S, DA200, DA200LL DA300 DA300LL) as an alternative for use in listed diesel engine systems. This alteration includes an addition alternative diesel exhaust Single Shift filter, part number DA200-1S	Freudenberg Filtration Technologies (Aus) Pty Ltd	N/A
MDR 170688 DES-0	Sandvik Mining & Construction Australia Pty Ltd	08-Jun-17	31-May-22	Sandvik Mining & Construction Australia Pty Ltd modified 162 kw explosion protected diesel engine system drawing BR00067180, Revision A	Sandvik Mining and Construction Australia Pty Ltd	C7.1DES
MDR 172119 DES-0	Global Mining Supplies Pty Ltd	01-Jun-17	30-May-22	Use of Global mining Supplies (GMS) diesel particulate exhaust filter elements (part number FST-90-19.562) as an alternative for use in listed diesel engine systems.	Global Mining Supplies Pty Ltd	N/A
MDR 090376 DES-12	VLI Diesel Pty Ltd	31-May-17	09-May-19	VLI Diesel Pty Ltd modified 55 kW Perkins 1006-6 DINA explosion protected diesel engine system. This alteration includes an alternative long-life diesel exhaust filter, part number 5-0410108-001	VLI Diesel Pty Ltd	1006-6 DINA
MDR 124827 DES-1	VLI Diesel Pty Ltd	31-May-17	11-Jan-18	VLI Diesel Pty Ltd modified Hino JO5C explosion protected diesel engine system comprising a 79kW, 4 cylinder in-line mechanical direct injection supercharged diesel engine with removable optional catalytic purifier integrated with a water-based exhaust conditioner and provision for diesel particulate filter, as identified by registration number MDR 124827 DES and listed documents herein. This alteration includes an alternative long-life diesel exhaust filter, part number 5-0410108-001	VLI Diesel Pty Ltd	J05C
MDR 132502 DES-2a	Explosion Proof Engine Company	10-Mar-17	04-Jan-18	Explosion Prog Engine Company Pty Ltd modified 176 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 125744 DES-3a	Explosion Proof Engine Company	10-Mar-17	04-Jan-18	Explosion Prog Engine Company Pty Ltd modified 73 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB4.5
MDR 125745 DES-3a	Explosion Proof Engine Company	10-Mar-17	04-Jan-18	Explosion Prog Engine Company Pty Ltd modified 86 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB4.5
MDR 132503 DES-2a	Explosion Proof Engine Company	10-Mar-17	04-Jan-18	Explosion Prog Engine Company Pty Ltd modified 134 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 155804 DES-0a	Torque Enterprises Pty Ltd	08-Feb-17	28-Jan-21	Torque Enterprises Pty Ltd modified 117 kW Hino JO8C explosion protected diesel engine system	Torque Enterprises Pty Ltd	J08C
MDR 120949 DES-1	Hunter Plant Hire Pty Ltd	24-Dec-16	01-Mar-17	V2403 Four cylinder DINA diesel engine	Kubota	V2403-M-DI-E3B
MDR 164213 DES-0	SETCO Australia Pty Ltd	08-Sep-16	22-Aug-21	Use of Turbocharger Assembly (Modified) as an alternative for use in listed diesel engine systems	Caterpillar	3126 DITA
MDR 090376 DES-11a	VLI Diesel Pty Ltd	28-Aug-16	09-May-19	VLI Diesel Pty Ltd modified 55 kW Perkins 1006-6 DINA explosion protected diesel engine system	Perkins	1006-6 DINA
MDR 084131 DES-10a	Caterpillar Global Mining Expanded Products Pty Ltd	21-Jul-16	30-Jun-20	Caterpillar Global Mining Expanded Products Pty Ltd modified 153kW Caterpillar 3126 DITA explosion protected diesel engine system	Caterpillar	3126 DITA
MDR 084131 DES-20a	Caterpillar Global Mining Expanded Products Pty Ltd	21-Jul-16	30-Jun-20	Caterpillar Global Mining Expanded Products Pty Ltd modified 153kW Caterpillar 3126 DITA explosion protected diesel engine system	Caterpillar	3126 DITA
MDR 163707 DES	Freudenberg Filtration Technologies (Aust) Pty Ltd	28-Jun-16	28-Jun-21	Use of Freudenberg (Microfresh) diesel particulate exhaust filter elements (part number DA400-LL) as an alternative for use in listed diesel engine systems.	N/A	N/A
MDR 140985 DES-21a	SETCO Australia Pty Ltd	09-Jun-16	12-Jun-19	SETCO Australia Pty Ltd modified 94 kW Caterpillar 3306 PCNA explosion protected diesel engine system	Caterpillar	3306PCNA
MDR 161415 DES-0	Cougar Mining Group Pty Ltd	18-May-16	17-May-21	Cougar Mining Group Pty Ltd hydraulically driven supercharger (identified by drawing ROAR1000-0) as an alternative supercharger design for those registered diesel engine system designs listed in Table 1 of the attached schedule.	Cougar Mining Group	N/A
MDR 140985 DES-11a	SETCO Australia Pty Ltd	22-Mar-16	12-Jun-19	SETCO Australia Pty Ltd modified 94kW caterpillar 3306 PCNA explosion protected diesel engine system	Setco Australia	3306 PCNA
MDR 140985 DES-1a	SETCO Australia Pty Ltd	22-Mar-16	12-Jun-19	SETCO Australia Pty Ltd modified 94kW caterpillar 3306 PCNA explosion protected diesel engine system	Setco Australia	3306 PCNA
MDR 159663 DES-0	Freudenberg Filtration Technologies (Aust) Pty Ltd	11-Feb-16	09-Oct-20	Use of Freudenberg (Microfresh) diesel particulate exhaust filter elements (part number DA500-LL) as an alternative for use in listed diesel engine systems		
MDR 157263 DES-0	Australasian Techno Group Pty Ltd	28-Jan-16	28-Jan-21	Use of Australasian Techno Group Pty Ltd (Cosway) diesel particulate exhaust filter elements (part number C 100S) as an alternative for use in listed diesel engine systems.	Australasian Techno Group Pty Ltd	N/A
MDR 157279 DES-0	Australasian Techno Group Pty Ltd	28-Jan-16	28-Jan-21	Use of Australasian Techno Group Pty Ltd (Cosway) diesel particulate exhaust filter elements (part number C 330) as an alternative for use in listed diesel engine systems.	Australasian Techno Group Pty Ltd	N/A
MDR 155804 DES-0	Torque Enterprises Pty Ltd	28-Jan-16	28-Jan-21	Torque Enterprises Pty Ltd modified 117 kW Hino JO8C explosion protected diesel engine system	Torque Enterprises Pty Ltd	JO8C
MDR 088335 DES-10a	Coaltec Pty Ltd	07-Jan-16	16-Apr-19	Coaltec Pty Ltd modified 168kW Caterpillar C7 electronically controlled explosion protected diesel engine system.	Caterpillar	C7 168kW (Arrangement No. 2707235A)
MDR 140295 DES-1	Sandvik Mining and Construction Australia Pty Ltd	11-Nov-15	14-May-19	Sandvik Mining and Construction Australia Pty Ltd modified 150kW explosion protected diesel engine system.	Caterpillar	3126A
MDR 157079 DES-0	Freudenberg Filtration Technologies (Aust) Pty Ltd	14-Oct-15	09-Oct-20	Use of Freudenberg (Microfresh) diesel particulate exhaust filter elements (part numbers DA100-A, DA100-AG, DA100-A1S, DA100-A1SG, DA100-LL, DA100-LLG) as an alternative for use in listed diesel engine systems	N/A	N/A
MDR 125744 DES-3	Explosion Proof Engine Company Pty Ltd Trading as: EPEC	14-Aug-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 73kW Cummins QSB4.5 explosion protected diesel engine system	Cummins	QSB4.5
MDR 125745 DES-3	Explosion Proof Engine Company Pty Ltd Trading as: EPEC	14-Aug-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 86kW Cummins QSB4.5 explosion protected diesel engine system	Cummins	QSB4.5
MDR 132502 DES-2	Explosion Proof Engine Company Pty Ltd Trading as: EPEC	14-Aug-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 176kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 132503 DES-2	Explosion Proof Engine Company Pty Ltd Trading as: EPEC	14-Aug-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 134 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 155331 DES-0	Freudenberg Filtration Technologies (Aust) Pty Ltd	11-Aug-15	10-Aug-20	Use of Freudenberg (Microfresh) diesel particulate exhaust filter elements (part numbers DA200, DA200LL DA300 DA300LL) as an alternative for use in listed diesel engine systems	N/A	N/A

MDR 084131 DES-10	Caterpillar Global Mining Expanded Products Pty Ltd	30-Jun-15	30-Jun-20	Caterpillar Global Mining Expanded Products Pty Ltd modified 153 kW Caterpillar 3126 DITA explosion protected diesel engine system to drawing 516453, Revision 12 comprising of a 6 cylinder in-line turbocharged, direct injection aftercooled engine with: <ul style="list-style-type: none"> <li>• Pneumatic/electronic shutdown system</li> <li>• Air to water charge air cooler</li> <li>• Intake shutoff valve</li> <li>• Water based exhaust flametrap</li> <li>• Replaceable element-type particulate filter</li> </ul>	Caterpillar	Caterpillar
MDR 084131 DES-10	Caterpillar Global Mining Expanded Products Pty Ltd	30-Jun-15	30-Jun-20	Caterpillar Global Mining Expanded Products Pty Ltd modified 153 kW Caterpillar 3126 DITA explosion protected diesel engine system to drawing 516453, Revision 12 comprising of a 6 cylinder in-line turbocharged, direct injection aftercooled engine with: <ul style="list-style-type: none"> <li>• Pneumatic/electronic shutdown system</li> <li>• Air to water charge air cooler</li> <li>• Intake shutoff valve</li> <li>• Water based exhaust flametrap</li> <li>• Replaceable element-type particulate filter</li> </ul>	Caterpillar	Caterpillar
MDR 090376 DES-11	VLI Diesel (NSW) Pty Ltd	30-Jun-15	09-May-19	VLI Diesel Pty Ltd modified 55kW Perkins 1006-6 explosion protected diesel engine system	Perkins	1006-6
MDR 133194 DES-0	Industrea Mining Equipment Pty Ltd	29-Jun-15	12-Jun-20	Industrea Mining Equipment Pty Ltd modified 400 kW Caterpillar C15 SCAC FIRE PROTECTED diesel engine system used to power Flitmate + ZAS, to drawing 7-055012-700 Sheets 1 & 2, Revision B comprising of a 6 cylinder in-line direct injection turbocharged and after-cooled engine with: <ul style="list-style-type: none"> <li>• Electronic shutdown system</li> <li>• Emergency stop strangler intake valve</li> <li>• Exhaust treatment - diesel oxidation catalyst (DOC)</li> <li>• Water bath spark arrestor / exhaust cooling system</li> <li>• Replaceable element type exhaust particulate filter assembly</li> <li>• Automatic methane shutdown</li> <li>• ZAS Zone awareness system</li> </ul>	Caterpillar	C15 SCAC
MDR 150665 DES-0	Cosway Pty Ltd	10-Apr-15	31-Mar-20	Use of Cosway diesel particulate exhaust filter element part number C165 as an alternative filter for Part No. 5-04108101 in MDR 090376 DES	N/A	N/A
MDR 140985 DES-11	SETCO Australia Pty Ltd	27-Mar-15	12-Jun-19	SETCO Australia Pty Ltd modified 94kW Caterpillar 3306 PCNA explosion protected diesel engine system	Caterpillar	3306 PCNA
MDR 140985 DES-1	SETCO Australia Pty Ltd	27-Mar-15	12-Jun-19	SETCO Australia Pty Ltd modified 94kW Caterpillar 3306 PCNA explosion protected diesel engine system	Caterpillar	3306 PCNA
MDR 140985 DES-21	SETCO Australia Pty Ltd	27-Mar-15	12-Jun-19	SETCO Australia Pty Ltd modified 94kW caterpillar 3306 PCNA explosion protected diesel engine system	Caterpillar	3306 PCNA
MDR 125744 DES-2	Explosion Proof Engine Company Pty Ltd	20-Mar-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd 73kW Cummins QSB4.5 explosion protected diesel engine system	Cummins	QSB4.5
MDR 125745 DES-2	Explosion Proof Engine Company Pty Ltd	20-Mar-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 86 kW Cummins QSB4.5 explosion protected diesel engine system	Cummins	QSB4.5
MDR 132502 DES-1	Explosion Proof Engine Company Pty Ltd	20-Mar-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 176 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 132503 DES-1	Explosion Proof Engine Company Pty Ltd	20-Mar-15	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 134 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 142657 DES-0	Cosway Pty Ltd	01-Sep-14	25-Aug-19	Use of Cosway diesel particulate exhaust filter element as an alternative for use in listed explosion protected diesel engine system	N/A	N/A
MDR 140985 DES-20	SETCO Australia Pty Ltd	12-Jun-14	12-Jun-19	SETCO Australia Pty Ltd modified 94kW caterpillar 3306 PCNA explosion protected diesel engine system	Caterpillar	3306 PCNA
MDR 140985 DES-10	SETCO Australia Pty Ltd	12-Jun-14	12-Jun-19	SETCO Australia Pty Ltd modified 94kW caterpillar 3306 PCNA explosion protected diesel engine system	Caterpillar	3306 PCNA
MDR 140985 DES-0	SETCO Australia Pty Ltd	12-Jun-14	12-Jun-19	SETCO Australia Pty Ltd modified 94kW caterpillar 3306 PCNA explosion protected diesel engine system	Caterpillar	3306 PCNA
MDR 090376 DES-10	VLI Diesel (NSW) Pty Ltd	16-May-14	09-May-19	VLI Diesel Pty Ltd modified 55kW Perkins 1006-6 explosion protected diesel engine system	Perkins	1006-6
MDR 088335 DES-10	Coaltec Pty Ltd	29-Apr-14	16-Apr-19	Coaltec Pty Ltd modified 168kW Caterpillar C7 explosion protected diesel engine system.	Caterpillar	C7 168kW (Arrangement No. 2707235A)
MDR 132502 DES-0	Explosion Proof Engine Company Pty Ltd	02-Oct-13	02-Oct-18	Explosion Proof Engine Company Pty Ltd modified 176 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 132503 DES-0	Explosion Proof Engine Company Pty Ltd	02-Oct-13	02-Oct-18	Explosion Proof Engine Company Pty Ltd modified 176 kW Cummins QSB6.7 explosion protected diesel engine system	Cummins	QSB6.7
MDR 125744 DES-1	Explosion Proof Engine Company Pty Ltd	12-Sep-13	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 73 kW Cummins QSB4.5 explosion protected diesel engine system	Cummins	QSB4.5
MDR 125745 DES-1	Explosion Proof Engine Company Pty Ltd	12-Sep-13	04-Jan-18	Explosion Proof Engine Company Pty Ltd modified 86 kW Cummins QSB4.5 explosion protected diesel engine system	Cummins	QSB4.5
MDR 131034 DES-0	Undahire Pty Ltd	02-Sep-13	02-Sep-18	Undahire Pty Ltd modified 16kW Yanmar 3TNV76 explosion protected diesel engine system	Yanmar	3TNV76
MDR 115275 DES-3	Mine Bug Australia Pty Ltd	24-May-13	01-May-18	Mine Bug Australia Pty Ltd modified Kubota D902 explosion protected diesel engine system, comprising of a 3 cylinder in-line mechanical indirect injection engine with a water-based exhaust conditioner and pneumatic shutdown system as identified by registration number MDR 115275 DES-3 and listed documents herein.	Kubota	D902
MDR 124827 DES	VLI Diesel (NSW) Pty Ltd	11-Jan-13	01-Jan-18	VLI Diesel Pty Ltd modified Hino JO5C explosion protected diesel engine system comprising a 79kW, 4 cylinder in-line mechanical direct injection supercharged diesel engine with removable optional catalytic purifier integrated with a water-based exhaust conditioner and provision for diesel particulate filter, as identified by registration number MDR 124827 DES and listed documents herein.	Hino	JO5C
MDR 125744 DES	Explosion Proof Engine Company Pty Ltd	04-Jan-13	01-Jan-18	EPEC modified 73kW QSB4.5, 4.5L Cummins explosion protected diesel engine system comprising of a 4 cylinder in-line, electronic common rail direct injection, diesel particulate filter, water based conditioner, electronic/pneumatic safety shutdown system, as identified by registration number MDR 125744 DES and listed documents herein.	Cummins	QSB4.5
MDR 125745 DES	Explosion Proof Engine Company Pty Ltd	04-Jan-13	01-Jan-18	EPEC modified 86kW QSB4.5, 4.5L Cummins explosion protected diesel engine system comprising of a 4 cylinder in-line, electronic common rail direct injection, diesel particulate filter, water based conditioner, electronic/pneumatic safety shutdown system, as identified by registration number MDR 125745 DES and listed documents herein.	Cummins	QSB4.5