

CAS Project TMM register (20 September 2024)															CAS Project TMM register - safety equipment fitted to TMM (20 December 2024)																													
No.	Vehicle type	Serial number	Make	1) Type and model of machine (make, model, year, etc.)	2) Original equipment (make, model, year, etc.)	3) Maximum design capacity (tonne, etc.)	4) Maximum design speed (km/h, etc.)	5) Maximum design speed (km/h, etc.)	6) Maximum design speed (km/h, etc.)	7) Maximum design speed (km/h, etc.)	8) Gross mass in kilograms	9) Minimum dimensions (mm): length, height, width	10) Maximum operating dimensions (mm): length, height, width	11) Power source (electric, diesel, etc.)	12) Designed rated power (kW)	13) Maximum towing capacity (kg)	14) Maximum, remote or remotely controlled	15) Types of brakes (1 = service, 2 = park, 3 = emergency and 4 = not applicable)	ROPS, FOPS, COPS	Remote control	Battery management system	Warning / Fault lights	Two-way Radio	Fire suppression	GSM operator alert	Additional safety features	Extended bumper for LDV collision	Wheel cross entrapment	Engine management protection system	Orange rotating and green lights	Audible beeper for reverse warning	Camera	Seatbelt	Windscreen wipers	Horn/hooter	Adequate lights, hand, tail, brake	Fire extinguishers	Staircase	Reflector tapes					
1	Dumptruck		Epiroc	Minetruck MF430LP	Epiroc	32.6 tons	30km/h 4th gear on flat with 10% grade	8 170	11 degrees	42 000	10182, 2750, 3000	10182, 1500, 3000	direct	200 kW 1000 Nm @ 1100 rpm	170 kW	• Electric transmission with control • Full power shift, 4 speed Forward / reverse	• Automatic transmission	1 = P, C, S, 4000	ROPS & FOPS COPS supply	Yes	N/A	N/A	N/A	Yes	Yes	Yes	• Safety brake • Air up stand and articulation lock for safe work in the machine • Isolation switch lockout	No	No	No	Yes, only orange rotating light	Yes	None and right hand side camera and monitor for driver	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
2	LHD		Epiroc	Scopcon CT3.5	Epiroc	6 tons	11.5 km/h 3rd gear on flat with 10% grade	5 500	11 degrees	26 000	8750, 2130, 2441	8750, 2154, 2441	direct	17.8 kW	17.8 kW	• Manual power shift, with 3 speeds forward and reverse	• Automatic	1 = P, C, S, 4000	ROPS & FOPS COPS supply	Yes	N/A	N/A	N/A	Yes	No	Yes	• Note open canopy • Boost up lock device	No	No	No	Yes, only orange rotating light	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
2	LHD		Epiroc	Scopcon CT3000LP	Epiroc	10 tons	26.7 km/h 4th gear on flat with 10% grade	6 713	11 degrees	27 300	9700, 1975, 2885	9700, 4012, 2885	direct	180 kW 2085 Nm @ 1400 rpm	180 kW	• Automatic	• Automatic	1 = P, C, S, 4000	ROPS & FOPS COPS supply	Yes	N/A	N/A	N/A	Yes	Yes	Yes	• Operator compartment with door interlock before cab door is opened, the brakes are applied and steering and bucket / boom movement are blocked • Three strategically located emergency stops • Locking pins for center stage and boom • Automatic brake test • Isolation switch lockout	No	No	No	Yes, only orange rotating light	Yes	Front and rear cameras	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
4	Roof loader		Epiroc	Quadr 2L (semi-mechanical rock loading system using winch and cable)	Epiroc	Installation of both lengths of 4.6 x 1.8 m and 1.8 m profile using roof heights of as low as 3.8 m. Steel frame diameter drilling	14 km/h on flat	5 600	14 degrees	12 800	10275, 1300, 2400	10275, 1300, 2400	direct / electric	• Engine: Torque 2400 Nm at 1500 rpm, 2100 Nm at 1800 rpm, 2100 Nm at 1500 rpm • Electrical system rated installed power 63 kW	• Engine: Torque 2400 Nm at 1500 rpm, 2100 Nm at 1800 rpm, 2100 Nm at 1500 rpm • Electrical system rated installed power 63 kW	• Hydraulic transmission	• Service brakes, two independent circuits, hydraulically applied • Fully enclosed and disk emergency and parking brakes: SAFARI	Only ROPS certified, COPS supply	Yes	N/A	N/A	N/A	Yes	No	Yes	• All drilling and both installation is controlled from behind the support plate of the machine. Operator panel is designed such that the operator performs drilling from behind the support plate of the machine. • Lighting for traversing and drilling	No	No	No	No	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes