

MAINTENANCE PROGRAM												
DIESEL ENGINE HOURS		200	600	1200	1800	2400		200	600	1200	1800	2400
	200	x					6200	x				
	400	x					6400	x				
	600		x				6600		x			
	800	x					6800	x				
	1000	x					7000	x				
	1200			x			7200				x	x
	1400	x					7400	x				
	1600	x					7600	x				
	1800				x		7800		x			
	2000	x					8000	x				
	2200	x					8200	x				
	2400					x	8400			x		
	2600	x					8600	x				
	2800	x					8800	x				
	3000		x				9000				x	
	3200	x					9200	x				
	3400	x					9400	x				
	3600			x	x		9600					x
	3800	x					9800	x				
	4000	x					10000	x				
	4200		x				10200		x			
	4400	x					10400	x				
	4600	x					10600	x				
	4800					x	10800			x	x	
	5000	x					11000	x				
	5200	x					11200	x				
	5400				x		11400		x			
	5600	x					11600	x				
	5800	x					11800	x				
	6000			x			12000					x

 CHECK / TEST	 LUBRICATE	 CLEAN AND FLUSH	 CHANGE / REPLACE	S SERVICE
AFTER EVERY 50 HOURS				
Serial number:	Engine hours:	Date:	Name:	

GENERAL		DIESEL ENGINE		
Clean the rig		Air intake lines and connections		
ROCK DRILL		Radiator core		
Tie rod tightness		FUEL		
Accumulator pressures		Fuel tank empty water trap		
Shank, chuck, flushing housing, connecting piece and rotation bushing		HYDRAULICS		
Tightness of flushing housing bolts		Radiator core		
Tightness of mounting between carriage / rock drill		AIR CIRCUIT		
CHAIN FEED		Air intake line and connections		
Greasing points				
Rock drill carriage/feed rail clearance				
ROD CHANGER		DUST COLLECTOR		
Greasing points		Precyclone rubbers		
Rod changer jaws and cylinder mountings		Fine collector reflector rubber		
BOOM		Movable suction head cylinder		
Greasing points				
CARRIER		TIM		
Crawler base turning shaft (3 nipples)		Greasing points		
Oscillation shafts				
Oscillation cylinder pins				
All grease nipples				
Electrolyte and connections in batteries				
Condition and mounting of winch rope				

 CHECK / TEST	 LUBRICATE	 CLEAN AND FLUSH	 CHANGE / REPLACE	S SERVICE
AFTER EVERY 200 HOURS				
Serial number:	Engine hours:	Date:	Name:	

GENERAL		FUEL		
Operation of warning and shut down system		Fuel filter		
ROCK DRILL		Fuel water separator		
Rotation motor and accumulator bolt tightness		AIR CIRCUIT		
Tightness of bolts in the rear cover, intermediate gear		Air filter		
CHAIN FEED		DUST COLLECTOR		
Retainer centralizer jaws		Suction head rubbers		
Feed gear oil (DX500, DX680)		Condition of fine collector rubber elbow		
ROD CHANGER		Operation of closing cylinder and suction control flap mechanism		
Rod changer jaws				
CARRIER		TIM		
Final drive oil		Measuring accuracy		
Operation of brakes		Tightness and mounting of components and connections		
Winch oil		Mechanical condition		
DIESEL ENGINE				
Engine oil				
Engine oil filter				
Cylinder head grounding				
Alternator				
Crankcase breather				
Air filter				

Service parts 200 h		
		qty
Engine oil filter	550 727 66	1
Fuel filter	882 392 39	1
Fuel water separator	885 239 79	1

Filling capacities 200 h	
Engine oil	25 litres

 CHECK / TEST	 LUBRICATE	 CLEAN AND FLUSH	 CHANGE / REPLACE	S SERVICE
AFTER EVERY 600 HOURS				
Serial number:	Engine hours:	Date:	Name:	

GENERAL		FUEL		
Operation of warning and shut down system		Fuel filter		
Tighten bolts of expansion pins in cylinders correct tightness 290 Nm		Fuel water separator		
ROCK DRILL		Breather		
Rotation motor and accumulator bolt tightness		HYDRAULICS		
Tightness of bolts in the rear cover, intermediate gear		Temperature sensor		
CHAIN FEED		Breather		
Retainer centralizer jaws		Oil pressure filter		
Feed gear oil (DX500, DX680)		Oil return filter		
ROD CHANGER		AIR CIRCUIT		
Rod changer jaws		Air filter		
Mountings of hydraulic cylinders		Compressor oil		
BOOM		Oil filter		
Weldings of boom and cradle		Alarm and shut down temperature switches		
Mountings of hydraulic cylinders		DUST COLLECTOR		
CARRIER		Suction head rubbers		
Final drive oil		Condition of fine collector rubber elbow		
Operation of brakes		Operation of closing cylinder and suction control flap mechanism		
All weldings				
Mountings of hydraulic cylinders				
Winch oil		TIM		
DIESEL ENGINE		Measuring accuracy		
Engine oil		Mechanical condition		
Engine oil filter		Tightness and mounting of components and connections		
Cylinder head grounding				
Alternator				
Crankcase breather				
Air filter				

Service parts 600 h		
		qty
Engine oil filter	550 727 66	1
Fuel filter	882 392 39	1
Fuel water separator	885 239 79	1
Engine air filter (outer)	550 892 67	1
Compressor oil filter	818 937 49	1
Compressor air filter (outer)	550 892 66	1
Hydraulic oil return filter	867 272 89	1
Hydraulic oil pressure filter	815 584 79	1
Breathers (Hydraulic tank and fuel tank)	850 794 09	2

Filling capacities 600 h		
Engine oil	25 litres	
Compressor oil	14 litres	
Final drive oil REXROTH, TRASMITAL	2.0 litres	
Final drive oil MOTTROL	2.2 litres	

 CHECK / TEST	 LUBRICATE	 CLEAN AND FLUSH	 CHANGE / REPLACE	S SERVICE
AFTER EVERY 1,200 HOURS				
Serial number:	Engine hours:	Date:	Name:	

GENERAL		DIESEL ENGINE		
Operation of warning and shut down system		Engine oil		
Tighten bolts of expansion pins in cylinders correct tightness 290 Nm		Engine oil filter		
Operation of warning and shut down sensors				
Tightness of all electrical connections		Cylinder head grounding		
Vapour capsule in electric box		Alternator		
ROCK DRILL		Crankcase breather		
Rotation motor and accumulator bolt tightness		Air filter		
Tightness of bolts in the rear cover, intermediate gear		Air filter safety cartridge		
CHAIN FEED		FUEL		
Retainer centralizer jaws		Fuel filter		
Feed gear oil (DX500, DX680)		Fuel water separator		
ROD CHANGER		Breather		
Rod changer jaws		Fuel tank		
Mountings of hydraulic cylinders		HYDRAULICS		
BOOM		Temperature sensor		
Weldings of boom and cradle		Hydraulic oil		
Mountings of hydraulic cylinders		Breather		
Cradle clearances		Oil pressure filter		
CARRIER		Oil return filter		
Final drive oil		Operation of oil level indicator		
Transfer gear oil		Hydraulic oil tank		
Operation of brakes				
Mountings of hydraulic cylinders				
All weldings				
Winch oil				
Cabin air filters				

AIR CIRCUIT			DUST COLLECTOR			
Air filter			Suction head rubbers			
Air filter safety cartridge			Condition of fine collector rubber elbow			
Compressor oil			Operation of closing cylinder and suction control flap mechanism			
Oil filter			TIM			
Alarm and shut down temperature switches			Measuring accuracy			
Oil regeneration line strainer and orifice			Tightness and mounting of components and connections			
			Mechanical condition			

Service parts 1,200 h			
			qty
Engine oil filter	550 727 66		1
Fuel filter	882 392 39		1
Fuel water separator	885 239 79		1
Engine air filters (outer and inner)	550 892 67		1
	550 892 73		1
Compressor oil filter	818 937 49		1
Compressor air filters (outer and inner)	550 892 66		1
	550 892 71		1
Hydraulic oil return filter	867 272 89		1
Hydraulic oil pressure filter	815 584 79		1
Breathers (Hydraulic tank and fuel tank)	850 794 09		2
Cabin air filters	550 284 51		1
	886 092 99		1

Filling capacities 1,200 h		
Engine oil	25 litres	
Compressor oil	14 litres	
Final drive oil REXROTH, TRASMITAL	2.0 litres	
Final drive oil MOTTROL	2.2 litres	
Hydraulic oil	200 litres	
Transfer gear oil	3.2 litres	
Feed gear oil (DX500, DX680)	2.0 litres	

 CHECK / TEST	 LUBRICATE	 CLEAN AND FLUSH	 CHANGE / REPLACE	S SERVICE
AFTER EVERY 1,800 HOURS				
Serial number:	Engine hours:	Date:	Name:	
GENERAL				
Operation of warning and shut down system		Alternator		
Tighten bolts of expansion pins in cylinders correct tightness 290 Nm		Crankcase breather		
ROCK DRILL		Air filter		
Rotation motor and accumulator bolt tightness				
Tightness of bolts in the rear cover, intermediate gear		Radiator hoses and connections	S	
CHAIN FEED		Engine coolant		
Retainer centralizer jaws		Intercooler and hoses		
Feed gear oil (DX500, DX680)		Valve clearances		
ROD CHANGER				
Rod changer jaws				
Mountings of hydraulic cylinders		FUEL		
BOOM		Fuel filter		
Weldings of boom and cradle		Fuel water separator		
Mountings of hydraulic cylinders		Breather		
CARRIER		HYDRAULICS		
Final drive oil		Temperature sensor		
Winch oil		Breather		
Operation of brakes		Oil return filter		
Mountings of hydraulic cylinders		Oil pressure filter		
All weldings				
		AIR CIRCUIT		
DIESEL ENGINE		Compressor oil		
Engine oil		Oil filter		
Engine oil filter		Air filter		
Cylinder head grounding		Alarm and shut down temperature switches		

DUST COLLECTOR		TIM		
Suction head rubbers		Measuring accuracy		
Condition of fine collector rubber elbow		Tightness and mounting of components and connections		
Operation of closing cylinder and suction control flap mechanism		Mechanical condition		

Service parts 1,800 h			
			qty
Engine oil filter	550 727 66		1
Fuel filter	882 392 39		1
Fuel water separator	885 239 79		1
Engine air filter (outer)	550 892 67		1
Compressor oil filter	818 937 49		1
Compressor air filter (outer)	550 892 66		1
Hydraulic oil return filter	867 272 89		1
Hydraulic oil pressure filter	815 584 79		1
Breathers (Hydraulic tank and fuel tank)	850 794 09		2

Filling capacities 1,800 h			
Engine oil	25 litres		
Compressor oil	14 litres		
Final drive oil REXROTH, TRASMITAL	2.0 litres		
Final drive oil MOTTROL	2.2 litres		
Coolant liquid (50% water and 50% coolant)	29 litres		

 CHECK / TEST	 LUBRICATE	 CLEAN AND FLUSH	 CHANGE / REPLACE	S SERVICE
AFTER EVERY 2,400 HOURS				
Serial number:	Engine hours:	Date:	Name:	

GENERAL		DIESEL ENGINE		
Operation of warning and shut down system		Engine oil		
Tighten bolts of expansion pins in cylinders correct tightness 290 Nm		Engine oil filter		
Tightness of all electrical connections		Cylinder head grounding		
Operation of warning and shut down sensors		Alternator		
Vapour capsule in electric box				
Fire extinguisher testing and refilling		Crankcase breather		
ROCK DRILL		Air filter		
Rotation motor and accumulator bolt tightness		Air filter safety cartridge		
Tightness of bolts in the rear cover, intermediate gear		FUEL		
		Fuel filter		
CHAIN FEED		Fuel water separator		
Retainer centralizer jaws		Breather		
Feed gear oil (DX500, DX680)		Fuel tank		
ROD CHANGER		HYDRAULICS		
Rod changer jaws		Temperature sensor		
Mountings of hydraulic cylinders		Hydraulic oil		
BOOM		Breather		
Weldings of boom and cradle		Oil pressure filter		
Mountings of hydraulic cylinders		Oil return filter		
Cradle clearances		Operation of oil level indicator		
CARRIER		Hydraulic oil tank		
Final drive oil		Anti-jamming valve strainer		
Operation of brakes		DUST COLLECTOR		
All weldings		Suction head rubbers		
Winch oil		Condition of fine collector rubber elbow		
Cabin air filters		Operation of closing cylinder and suction control flap mechanism		
Transfer gear oil				
Mountings of hydraulic cylinders				

AIR CIRCUIT		TIM	
Air filter		Measuring accuracy	
Air filter safety cartridge		Tightness and mounting of components and connections	
Compressor oil		Mechanical condition	
Oil filter		Breather	
Alarm and shut down temperature switches			
Oil regeneration line strainer and orifice			
Oil separators			
Oil receiver			

Service parts 2,400 h		qty
Engine oil filter	550 727 66	1
Fuel filter	882 392 39	1
Fuel water separator	885 239 79	1
Engine air filters (outer and inner)	550 892 67 550 892 73	1 1
Compressor oil filter	818 937 49	1
Compressor air filters (outer and inner)	550 892 66 550 892 71	1 1
Compressor oil separators	032 677 28	4
Hydraulic oil return filter	867 272 89	1
Hydraulic oil pressure filter	815 584 79	1
Breathers (Hydraulic tank and fuel tank)	850 794 09	2
Cabin air filters	550 284 51 886 092 99	1 1

Filling capacities 2,400 h	
Engine oil	25 litres
Compressor oil	14 litres
Final drive oil REXROTH, TRASMITAL	2.0 litres
Final drive oil MOTTROL	2.2 litres
Hydraulic oil	200 litres
Winch oil	0.8 litres
Transfer gear oil	3.2 litres
Feed gear oil (DX500, DX680)	2.0 litres