

Equipment Service/Repair Log -Trackdrill ECM 660 - Drill Rig- HD08

Year	2007
Make	Trackdrill
Model	IR 660 - 4
Serial Number	Y009343BE
Chassis Number	2.65323E+12

<u>Date</u>	<u>Meter Reading</u>	<u>Description of Work</u>	<u>Supplier</u>	<u>Invoice</u>	<u>Contact</u>	<u>Labour Cost</u>	<u>Parts Cost</u>	<u>Warranty</u>	<u>Total Cost</u>
11/16/2010	3500hrs	Problem was no water to drifter & rod. Speak to operator to find out what problem was occurring. The water was not getting to the rod. Check that water had pressure as it is air pressure over water. The pressure was fine. Remove the tap to make sure the water was going through and it was. The water system had alot of rust and was blocking the lines. Clean all rust our of water system. Was fine.							
		2011							
1/24/2011	3878hrs- eng 2332hrs - drifer	Check shank, it rotates free turned just by hand. Removed flushing head and reverse percussion housing. Found broken shank in driver. Remove driver housing.Wash and clean all housings. Fitter form "Data plant service" pressed out broken driver nut andpressed in niw one. Replaced rings and needle bearings. Put in new shand an assemble all housings.Torque flushing hed huts to 600nm. Check accumulators for oil leaks and recharged them. LP 4 Bar, HP 40 Bar. Test drill one hol - drills good.							
		PARTS USED: 2886 211 16x1 RING 28686 2215 95 x1 NEEDLE BEARING 28686 2216 78X1 RING 28686 5114 41 X1 SPLINED NUT 28686 2216 03X1 NEEDLE BEARING 28686 2202 41X1 RING							

2/24/2011	4042hrs	Service carried out to machine . Assist with repairs to drifter and chain adjuster. Hyd. Pressure equipment utilised to remove/replace broken parts in drifter.							
3/23/2011	4410hrs-eng	Service call to Boral Coolum site. Locate & repair electrical faults in drill. Locate and repair damaged wiring in left arm pod. Supply and fit new drill ram circuit fuses and spare fuses. Supply and fit new centraliser jaws open miro switch. Check operation of all drilling functions. Visual check and 'wiggle test' inclino mast and boom wiring, no fault present at time of testing (likely to be an incan box fault, the small red box on the mast)							
4/11/2011	4509hrs	Carry out service. Replace engine oil & filter. Replace fuel filter, clean air filters. Check oil levels. Carry out welding repairs;- rod clamps build up, remove broken bolt from dust guard. Repair rock guard over cab. Fit new Deutsch plug to wiring for sensors on mast.							
4/21/2011		Coolant leak: Rectify one coolant leak and advise operator of another leak which required a new hose.							
5/24/2011	4679hrs	Service call to Boral Narangbar site. Locate and repair faults in rod handler system. Repair rubbed through wiring on mast, cover wiring in protective rubbing and secure with cable ties. Check operations of all rod handler functions. Locate fault in air-conditioner system. Remove and repair leaking low pressure hose. Refit hose and service R134a system. Reroute and secure hoses.							\$699.00
5/30/2011		Replace compressor oil and filters, drain oil from cooler lines.							
6/8/2011	4761hrs	250hrs service. Change engine filters and oil. Replace coolant and coolant filter. Replace hydraulic oil filter. Replace air oil separator. Not supplied with out air fitters. Replace air cleaners for drilling.							
6/10/2011		Service call to BP North. Check accumulators. Supply &f it new dowdy seal and nut to middle HP accumulator. Recharge LP and both HP accumulators.							

8/31/2011	5123hrs	Changed engine oil & filter. Changed fuel filter x2. Cleaned engine air & comp air filters. Changed compressor oil & oil filter. Replaced turbo assy. Replaced percussion hour meter. Tidy up of hydraulic hoses and electrical cables on mast. Cleaned cab. Replaced engine to compressor drive coupling. Cleaned fuel -water separator and aglomerator screen. drained fuel tank sediment. Straightened belly guards. Straightened tank steps & guards. Replaced flashing light assy. Replaced engine pre-cleaner bowl. Tightened sump & timing cover bolts. Replace pito haws. replaced operators seat cover. Full machine greased. Replaced suction hose. Repaired dust collector filters. Modified & regassed accumulators. LP accumulator diaphragm replaced. Re-pin & bushed centraliser assy. Repaired lower mast leg & dust boot slides.							
9/13/2011	5155hrs	Replaced front two rubber mounts on expansion tank. Re-adjusted drifter. Replaced two lengths of chain on drifter (20').							
10/12/2011		Service call to Boral Narangba site. Supply and fit new low pressure accumulator diaphragm.							
10/13/2011	5380hr	changed engine oil & filter. Changed fuel filter x2. Cleaned air filters & precleaners x 2. removed & inspected dust collector filters. Made adjustments to rod changer arms. Fitted new AM/FM radio & repair speaker wiring.							
10/21/2011	5420hrs drifter 125.1	replaced compressor unloader valve diaphragm. Replaced 4 x dust collector filters, regassed accumulators. Cleaned inside cab & window, cleaned a/c filters							
11/2/2011	5484hr /drifter 147.4hrs	drifter rebuilt, drifter re-shimmed. Mast re-shimmed, blew out coolers, cleaned cab, topped up hyd oil. Replaced centraliser bolts, replaced shank, replaced overflow tank rubber mounts, repair right osscilation valve mounting braket. Replaced air regulator and reset operation, air pressure , blew out air filters, tightened a/c drive belt,							

11/4/2011		Mackay trip. Locte & repair electrical fault in ECM660 IV wiring. Assist with hammer rebuild, fitment of new feed chain & drifter slide adjustment (24HR)				\$1,920.00			\$1,920.00
12/8/2011	5650 eng	1522: changed engine oil & filter, changed fuel filter & water seperator, changed inner & outer engine air filter, replaced percussion hour meter with analog unit(previous hrs 212.9) replaced broken unloader valve water drain tap, adjusted feed chain tension. replaced drifter shank, repaired fault with arc system (rod changer arm retract) blew out compressor air filter & cleaned pre cleaner bowls . topped up hyd oil tank (20l) checked leak at grease pump, replaced coolant conditioner filter. air regulator for lube oil, guage & adjuster knob broken off. 1x hyd hose on mast recently replaced.							
		2012							
1/16/2012	5741 eng 22hrs drifter	1612: rebuilt drifter, welded up cracks on mast & carousel, repair dust hose connection above coolers, blow coolers & filters, rotate dust hoses, rebuilt grease pump, oscil							
1/17/2012		Fabricate hose , SAE 100R2 Hose type AT (din) ,2X female JIC SWIVEL, 3 X 45DEG MALE ELBOW BSPT				\$51.70	\$127.63		\$179.33
1/22/2012		fabricate hose. Female JIC swivel, SAE 100 R2 HOSE type AT				\$225.50	\$323.92		\$549.42
2/1/2012	5825hrs 55.3	1527 changed engine oil & filter. Replaced 2 x fuel filters. Changed drifter shank. Regassed drifter accumulators. Adjusted drilling hydraulic presssures as per Atlas Copco training manual. Inspected drive belt condition. Drained water from bit air sensing valve. topped up hydraulic oil. coolers blown out. checked operation of drifter feed pressures.							

2/7/2012		Supply & fit hoses , hyraulic oil 20L, labour				\$599.50	\$505.05		\$1,104.55
2/8/2012	5874hrs	1530: replaced cam follower roller on L side of hose carrier (lower) . Adjusted rod changer system to align rods better. Adjusted side shimming on drifter carriage. Compared temps @gauge & compressor (gauge reading high) checked coupling temps after drill system adjustments.							
2/24/2012		Hyd Serv technician Jereme Colins - traveled to quarry remove make & fit hose to Atlas Copco HD08 site				\$330.00	\$806.11		\$1,136.11
2/25/2012		3.58mtr 1" hose & fittings.				\$360.17			\$360.17
3/4/2012		travel to quarry remove blown hose going to mast. Make and fit new hose.				\$275.00	\$185.77		\$460.77
3/9/2012	6015 eng 103hrs drifter	1550: changed engine oil & filter. Replaced fuel filters x 2. replaced inner & outer, engine & compressor air filters, Changed compressor oil & filter. Inspected aux drive belts. Drained fuel sediment & cleaned agglomerator unit. Blew out cooler cores. welded broken hose carrier bracket. removed hole section from lower dust collector hose. adjusted thread greaser @ mast to change spray pattern.							
3/16/2012	6,045	1552: Changed out cracked feed motor over centre valve block. Checked condition of front engine mounting & pump drive							

4/18/2012		travel to Collinsville (Searles Quarry) to repair Air con on drill -cut out broken hose at fittings. Remove fittings & bad hose. Make up fitting to re-climp fittings.crimp on fittings. Flush ac system. Fit new compressor & drier. Replace orings. Vac & gas system. check operation OK.				\$608.00	\$346.65		\$954.65
5/11/2012		Repairs to ECM660 - valve (diaphraphm)					\$2,667.61		\$2,667.61
7/19/2012		Fit new laminated green - windscreen				\$165.00			\$165.00
7/24/2012	6430hrs Eng 180 hrs drifter	drifter rebuilt. Hyd motor L/H side of engine removed & seals /gaskets replaced & refitted							\$0.00
8/16/2012	6538hrs drifter230	1802: replace air compressor coupling at B.Q.C Quarry Bowen				\$0.00			\$0.00
9/5/2012	6600hrs drifter 263	250hr service - change engine oil , filter & both fuel filters. Check all oils. Replace 4 dust collector filters.(rear inside) repair bolt holes for filter cradle							
		FLYWHEEL BOLTS TORK SETTINGS 137NM							
9/24/2012	6631 Eng drifter 276	Fly to Mackay. . Pick up tools & parts from Atlas Copco workshop in mackay & drive to Boral Quarry. Drill couple of test holes to see what machine does. Dirfter chatters a lot from first rod on to the third. Doesn't matter what feed pressure, drill bit doesn't make ood contact with rock & chatters. flow test pump no 3 @ bar l/min slightly relow specs. adjust relief #3 to 210 bar, solved problem of struggling boom lift. disable antijam functions, chjeck spools to make sure nothing obstructs feed in control circuits to feed motor. test drill couple holes, no change still chatters.							

9/25/2012	6631 Eng drifter 276	Replace feed motors, take motor & sprocket to workshop to press sprocket off shaft. Install sprocket on new feed motor, reconnect everything and test drill couple of holes, new motor feeds better. Adjust feed to 75 bar, adjust V4 valve, adjust V3 valve, adjust vold sensor, chatter is gone, penetration rate Ave 1.7 h/min. swap parts of feed motor to find out which part is faulty. planetaries & valves ok, feed motor itself faulty. take mtor & hoses back to Atlas workshop							
10/15/2012		hydraulic pressure fault - shop hours 26.5				\$3,177.35	\$330.00		\$3,507.35
10/18/2012	drifter 278	1907:replaced rear engine main seal, front main seal, sump gasket, resealed timing cover gasket, fitted new hyd triple pump & drive coupling, fitted new feed hyd motor, rebuilt feed reduction box with new bearings & seal, cleaned comp scavenge line, cleaned out water voposol tank & fitted strainer to bottom, rebuilt dust boot, turned dust collector hoses, regassed drifter, replaced all hyd hoses over hose reel. replaced 4 hose reel rollers, fitted new slides under hose reel. & reshimmed, repaired rod change electrical fault.							
11/26/2012	Eng 6863hrs drifter 390hrs	1857: 250hr service engine oil & filter & fuel filter (not water trap) , new air cleaners, blow coolers, check all dust filters, repair tube on dust collector, clean water tank & strainer, repair & weld mast mount on hyd tank, replace rubber boot on dust boot, repair window washers, replace a/c belt, check idler & tension pulleys on flat ribbed belt. change grease drum, checked oil leaks - F/L motor ok							
11/26/2012		2xK04JF07 0.6 100r2-4 - 2 crimp hoses				\$44.33			\$44.33

12/6/2012		supply swivel nut elbows & coupler heavy duty 2x 12C6X-S 2x 10 C6X-S 2x 8 C6X-S 1 xB6304-B						\$217.58	\$217.58
		2013							
2/19/2013	Eng 7022hrs drifter 438hrs	remove exhaust manifold. Remove 2 x broken amifold bolts in head.re-assemble exhaust manifold with new turbo. Turbo drain and manifold gaskets. Die grind exh manifold bolt holes to align with thread holes in head. Remove & install cooler ducting for access. remove all dust strainer filters. replace 2 x filters, manufacture 8 x filter seals & glue. reassemble filter assy after blow out remaining 8 filters. blow out coolers, remove heater hoses & plug block outlets. manufacture hyd pumps 1/2 high press hose & fit centralize drifter. adjust upper rod jaws. tension mast hose reel hoses, fit isolator switch. repair centralizer hose . replace final drive oil. replace drifter carriage motor gear oil. remove driver window & straighten door for positive seal.							
4/4/2013	7120hrs drifter 479hrs	changed engine oil & filter. Inspected belt condition. Cleaned fuel /water agglomerator. Blew out air filters. Cleaned air pre cleaners. Blew out cab. Replaced rocker switch /rod grab.							

4/12/2013	6139hrs	fit new diaphragm to bit air sensing valve (pancake valve) fit 2 x new centraliser jaws & new bolts. Fit new rubbers to compressor sight glass. Regassed accumulators. Check operation of dust collector filters. Cleaned windows. Replaced brass rotation drive chuck in drifter. replaced shank. removed & corrected shimming on mast slide. build up worn surfaces on rod locator plate in carousel. tidy up tight wiring for drill safety lanyard. test operation of anti-jam in manual and automatic. drifter has minor oil leaks. machine blown down , hose has small hole. no changes made to drill setting after Atlas Copco repairs.							
5/20/2013	7280hrs drifter 553	replaced blows hydraulic hose in cab to percussion gauge. Regassed accumulators. Shortened lower dust collector hose. Replaced dust boot rubbers. Blew out comp & engine air filters.blew out cab & cab air filters.							
6/18/2013	7300hrs	reuild centralizer. line bore pivots and and rebush, build up and line bore where centralizers bolt in							
7/11/2013		repairs to air con on drill. Removed & replaced leaking evaporator as supplied by customer. Replaced receiver drier, evacuated and regassed. Tested all operations as required				\$188.00	\$413.50		\$601.50
7/24/2013	7369hrs drifter 595hrs	Fit grease nipple to bottom sprocket. Blow all coolers and air cleaners. Tightened feed chain. Remove and checked dust filters. Cleaned water strainer. Checked bolts on drifter, re-gas drifter							

8/23/2013	7405hr drifter 615hrs	600hr service- engine oil, filter, fuel filters, comp oil & filter. Hyd filter (hi & Low) final drive oils replaced. Blow coolers and cleaners. Repair loose hose on inlet to turbo. Repair water trap at rear. Repair header tank mounts. Repaired mast lanyard repaired greaser to feed chain bot sproket. replaced 4 track bolts. replaced window wipers. regas accumalotors. rotated dust hoses. checked dust filters.							
9/30/2013	7488hr drifter 615	replace low & Hi air flushing valves replace 1" air hose from carrier to first join on boom. Repair rubber mounts on mesh for cooler fan.							
11/20/2013	7558hr drifter 658								
		2014							
1/7/2014	7680hrs	checked over drill as per maintenance sheet							
1/13/2014	7715hr Drifter 716	Changed engine oil & filter. Changed Belt drive. Inspected dust collegator system and hoses. Blew out air filters. Cleaned air pre cleaners. Blew out cab. Drained water from compressor. Adjusted feed chain tension inspected shank,							
2/12/2014	7783hrs drifter 746	Changed shank & regassed accumulators. Inspected compressor air filters. NEXT SERVICE DUE: 7965hr							
2/27/2014	7800hrs drifter 753	replaced compressor oil and filter. Replaced air/oil seperator, replaced start solenoid, fit new engine air cleaner indicater switch.							
3/11/2014	7860hrs drifter 7526?	changed inner & outer engine air filters.							

									\$0.00
									\$0.00
Total repair expenses:									\$14,567.37

londa

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Equipment Service/Repair Log - Drum

Year	200
Make	Drum
Model	LP85
Serial Number	
Chassis Number	

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