

Job role: Loader Operator

Code: MIN/Q0208

Sr.No	NOS	PC	Question	Option A	Option B	Option C	Option D	Answer	Level-E/M/H
	Code	Code							
	MIN/NO421								
		PC-1							
1			Operator should reach at the machine	Only during Loading	On time set by the organization	After mechanic visit	shouldn't bother about timing, only production	B	E
2			Before start the machine for Loading	Operator should ask supervisor is it Everything ok then move	operator should walk upto loading & Unloading point & see any obstruction road condition,curves,roof,side walls etc	Ask the machine helper to check everything & report to operator for starting the machine	During moving the machine ,he can observe.	B	E
		PC-2							
3			If loose form on face would operaotor have to run the loader there	yes	no	cant say	inform to mining person	D	E
4			Operator should Check wheel bolts for tightness	It is pre start check	During movement of machine	During maintenace	It is not operators responsibility.	A	E
		PC-3							
6			what is if bucket pins come out	continue run the machine	stop the machine and report about problem	push pin in and run m/c	do nothing	B	E
7			what is the result of bucket pin wear	bucket play while mucking	bucket will muck properly	bucket will not lift	bucket will not tilt	A	E
8			why bucket pin makes sound	due to play in bucket	due to bucket wear	due to improper greasing	due to improper maintainance	C	M
		PC-4							
9			what is result if stone hit the hose	no damage	there may be chances of hose damage	m/c will not be run	engine stop	B	E
10			Proper hose route & machine is clear with stone ,Soil etc.	During mucking	During maintenance of machine	It's a pre start check and	Daily maintenance	C	E

						whenever required			
		PC-5							
11			what will happen if big rock come on ramp(road)	no damage	may cause m/c shut down	it may be damage to m/c	m/c will run over it	C	E
12			what happened if metal scrap on ramp	may cause tyre puncture	no damage	m/c will easily run over it	cant say	A	E
		PC-6							
13			Check Hydraulic oil level when machine is	Any position but show in glass	When standing on flat floor with Cylinders are in closed condition	standing in flat ground	No need ,float switch will take care	B	E
14			Loader Hydarulic oil tank Capacity						
15			In Loader oil level should be checked through	Dip sticks	Window glass	open cap and check	open oil plug and check	B	M
16			Type of Hydraulic oil to be used in Loader	HFB/HFDU/Mineral oil	Only mineral oil	only HFDU	only HFB	A	M
17			Walk around the machine and if oil leakages Any major oil leakages & level falls below	inform the mechanics and rectify Makes sound through pump	Inform after shift end machines trips through Float swich	Top up oil machine gives alarm	simply fill the pre start check list machines gets heated up	A	E
18			Oil level should be checked - Loader	Machine in level and oil Minimum half in glass	machine in any position	machine any position oil visible in glass	Boom in Raised Condition	A	E
		PC-7							
19			what is radiator	it is engine cooling device	it is engine heating device	hydraulic pump	fuel pump	A	H
20			what to do if coolant low	continue run the machine	stop the machine and report about problem	top up water by yourself	top up hydraulic by yourself	B	H
21			LHD have two radiator	Yes two in one	only one radiator	yes two water cooled radiator	two separate air cooler	A	H
22			Radiator coolant level shoul be checked at	when the engine temperature raises	Before starting the machine	At the end of the shift	Fitter should check during maintenance	B	E
		PC-8							
23			engine oil level checked at	at incliend	ar declins	at flat area	at uneven area	C	M

24			Engine oil level should be checked	when the engine temperature raises	Before starting the machine	At the end of the shift	Fitter should check during maintenance	B	E
25			Engine oil level should be checked Loader fuel Tank Capacity	with dip stick	oil level window	oil plug	Oil Cap	A	E
		PC-9							
26			how many types of break used in loader	one	three	two	no breaks	C	E
27			is parking break and service break are same	yes	no both are different	both are used for stopping m/c	park break is main break	B	E
28			when to take break test	weekly	per day	per shift	per month	C	E
29			is m/c use for operation if main horn not working	yes	yes but for shift only	no and report to maintenance team	can't say	C	E
30			is m/c use for operation if reverse horn not working	can't say	yes	yes but for shift only	no and report to maintenance team	D	E
31			is m/c use for operation if light not working	no and report to maintenance team	can't say	yes	yes but for shift only	A	E
32			is horn is a safety feature	no	it is m/c part	yes	can't say	C	E
33			is reverse light is a safety feature	no	yes	it is m/c part	can't say	A	E
		PC-10							
34			what is the unit shown in gauge of pressure	bar	degree C	watt	volt	A	E
35			what is the unit shown in gauge of temperature	watt	volt	bar	degree C	D	E
		PC-11							
36			how many terminals battery have	one	two	three	four	B	E
37			what happens if battery terminals are loose	nothing	m/c will be break down	spark comes up and engine starting problem	battery having no problem	C	E

38			Before start the machine	check fan belt tension,Electrolyte level battery terminals	check belt tension	check eletrolyte	check battery terminal tightness	A	E
		PC-12							
39			why air filter use	to filter air for engine supply	to supply air to engine	to restrict air	to regulate air supply	A	E
		PC-13							
40			what is water seprator	it is engine part	used for water filtration	use to seprate water from diesel	use to seprate oil from oil	C	M
41			what happens if water comes in fuel line	m/c will run smoothly	engine will not start	engine will start it has no problem	cant say	B	M
		PC-14							
42			Check air /Fuel filter in LHD	Every Shift	Every Day	Not requied ,no engine	Every 50 hours	A	E
43			Pins,Pivots,Arms-Grease -SDL	Enclo 150 /Servomesh SP 150	Enklo 150	Servomesh SP 150	Servogem 2/3 or Lithon 2/3	D	M
44			Grease nipples	Apply grease by hand	Through High pressure Grease Gun	grease through hand grease gun	Change grease nipples	B	E
45			Grease	At every 50 hours	when it make noise	at every 100 hours	At every shifts	A	E
46			Greasing helps to	reduce noise	Less wear & tear ,reduces friction Improves smooth movemnt	less load on control valves	Reduces rusting of parts	B	E
		PC-15							
47			Loader require DGMS approval for operation	DGMS Approval	Not Required	Manufacturers approval sufficient	Equipment Manufacturer approval requied	A	H
48			Head lights will be on when the machine is on	Two lights	Four Lights	Five Lights	Three Lights	B	E
49			Head lights will be on when the machine is on	12/24 volt	12 volt,	24 volt	26 volts	D	H
50			Head lights operates on	on AC current	on DC current	Both AC/DC current	on Battery	D	H
		PC-16							

51			While machine start moving in reves direction	Only Audio in reveres direction	Audio & Visual light & alarm will be on.	only visual light flashes	Reveres camera works.	B	E
52			at turn is there need to use horn	no	yes	not necessary	cant say	B	E
		PC-17							
53			Height over canopy of Standard Loader	1800-2100 mm	1500-2000 mm	2000 -2400 mm	2100-2500 mm	A	M
54			Width of Standard Loader	1445 mm	1600 mm	1700 mm	1800 mm	A	M
55			Operating Weight of standard Loader	7800 kgs	8000 kgs	7200 kgs	10000kgs	C	M
56			LHD tyre size	9.00x20 ,16 fly	9.00x 24,14 fly	10.00x 20 ,16 fly.	10.00x 24 ,14 fly	A	H
57			LHD has	40 wheel bolts	48 wheel bolts	36 wheel bolts	44 wheel bolts	A	M
58			Recommended Tyre pressure	105 psi	110 psi	90 psi	100 psi	C	E
59			Bucket Capacity of Standard Loader Length of Standard Loader	1.5 Cu.M (coal)	1.1 Cu.M (coal)	1.6 Cu.M (Coal)	2.00 Cu.M (Coal)	A	M
		PC-18							
60			what is check list	sheet to mainatin check points of m/c	maintanance sheet	b/d sheet of machine	fire check sheet	A	E
		PC-19							
61			frequent problem of parking while operating	continue run the machine	inform to maintanance superviso	park the machine	no need to give information	B	E
	MIN /N0422								
		PC-1							
62			is it necessary to do allacated job for loader	no there is no necessity	yes operator has to do	cant say	m/c cant perform for long	B	E
		PC-2							
63			what operator should do if loader struct in brow	he will exit by emergency window	he will stay there	he will do nothing	cant say	A	M

64			Before operating the machine	check road condition	check road,side walls.	check travelling road,face,side walls,dumping areas for obstructions	only After blasting ,should check any Obstruction	C	E
		PC-3							
65			how to start the engine	by engaging forward gear	by engaging reverse gear	on neutral position	cant say	c	E
66			what is the purpose of ignition switch	to stop the m/c only	to start the m/c only	to start and stop the engine	it's a dummy switch	c	E
67			Pre start check includes	call fitter to check all pins are in place	pins,bushes are in correct position	During running you check pins ,if sounds	Ask helper to check pins	B	E
68			Suddendely engine stops while moving	use safe distance between vehicles & Reflector behind vehicle ..	Use blocks/chokes at the tyres	Park & call technician.	Sit in the operator cabin and inform the supervisor.	A	E
		PC-4							
69			To start engine in cold condition	use Pre-Heater & engine priming	without pre heater ,engine can be started	Battery is powerful to start the engine	Use special cold woking engine	A	E
70			why engine gets air locked	due to no diesel in m/c	due to full diesel	due to half diesel	due to battery problem	A	H
71			Proper hose route & machine is clear with stone ,Soil etc.	During mucking	During maintenance of machine	It's a pre start check and whenever required	Daily maintenance	C	E
		PC-5							
72			while traveling loader bucket must be in postion of	loaded fully	unloaded fully	on the surface touching	at a safe distance from surface position	D	E
73			Before moving machine	All Head lights and Audio Alarm should be on	Only Head lights are enough	Only alarm with 2 head lights	All Head lights and Audio Visual Alarm should be on	D	E

74			Before Moving the machine Check	Front Brake,Rear Brake,Cable reeler Services & Steering Pressures	Front & Rear Brake Pressures	Only Services	Services,cable reeler and Steering	A	M
			Accelerator /Cable is part of modulator vale in transmission	No	Its in operator peddle	only wire ,no cable	Yes	D	E
		PC-6							
75			Brake testing should be carried out	In 1st /2nd gear	1/2/3rd gear	1/2/3/4th gear	In any Gear	A	H
76			Standard Ht.LHD transmission has	3 Fwd & 3 Rev gears	4 Fwd & 1 rev gear	3 Fwd ,1 neutral & 1 Rev gears	Only 2 Fwd & 2 Rev gears	A	E
		PC-7							
77			Always use when the machine is moving	only low Gear	Use any gear ,no problem	Move in low gear with less speed & frquently horn & lights.	Only horn & head lights	C	E
78			After completion of machine operation	Cut off power through handle	Not Required to cut off from G.E.B	Cut off power from incoming supply to G.E.B	only while carrying out work with G.E.B	A	E
79			Physical damages to Audio visual alarm,Head lights Control Panel,presure gauges,emergency stop switch & other safety features...	Before start of the machine	After start of the machine	In middle of running machine	Only during maintenance time	A	E
80			Physical damages to Audio visual alarm,Head lights Control Panel,presure gauges,emergency stop switch & other safety features...	Immediately report to UG technicians & also enter in pre start check list	Report at the end of the shift	Enter in Pre-start check list	Immediately reach siface & report	A	E
81			Can bypass any faulty safety fatures	yes ,can operate with Bypass	No,shouln't operate the machine with by pass.	Simply report	Don't give much importance these faults	B	E
		PC-8							

82			To measure Transmission pressure	See transmission pressure Gauge	fix Gauge & check	No need to check transmission pressure	If any problem then fix gauge and check	A	E
83			During brake testing machine at 2 nd gear and full						
84			throttle ,apply brake machine should stop	Applied spot	one meter distance from applied spot	two meter from applied point	one feet from applied spot	B	H
85			Parking Releasing Pressure	450-500 psi	750 psi	1000 psi	1200 psi	A	H
		PC-9							
		PC-10							
86			when the bucket is raised for any repair	Always operator should be on the seat	Power should be off & lock bucket with	Power off & insert mechanical pin in the hole	power off & raised bucket slowly rests on Mechanical lock pin.	D	E
		PC-11							
87			is bucket movement stopper necessary	yws	no	no need of stopper in bucket	cant say	A	E
88			what is tipping	nucket shaking	bucket loading	bucket unloading	MUCKING	A	H
		PC-12							
89			Operator should follow	operators guideline manuals	manufacturer don't provide manual to operator	Through experience	Through discussions	A	E
90			distance between two vehicle during parking	10meter	20meter	30meter	40meter	C	M
		PC-15							
91			right hand lever in loader used for	steering	boom bucket operation	moving machine	stop machine	B	E
		PC_16							
92			Correct practice of loading is	The bucket in the muck & wheel start spinning	Frequently push bucket in the muck	Frequent to & fro of bucket muck	with smooth movement of wheel bucket get loaded	D	E

							without stalling the machine		
		PC-18							
93			how much operator required to run loader	one	two	three	four	A	E
		PC-20							
94			Front Brake pressure in LHD	1600-2000 psi	1600- 2100 psi	1600-2200 psi	1600-2300 psi	A	H
95			Rear Brake pressure in LHD	1600-2000 psi	1600- 2100 psi	1600-2200 psi	1600-2300 psi	A	H
96			Parking Brake	Spring Applied Hydraulically Released	Hydraulic oil brake release	Emergency brake	Mechanical brake	A	H
		PC-21							
97			Operators should fill	Pre start & Report sheet at the end of shift	Shift engineers will do that	Foreman will do that	Fitter & mining engineer will do that	A	E
		PC-22							
98			Whenever the machine not in operation	can keep bucket in raised position When machine standing on flat ground	Always Lower bucket & keep on ground	Its operator wish ,he can keep bucket in any position	Keep bucket in digging position	B	E
99			When you are stoping & leaving the machine	Isolate power at machine end	Isolate power through key & handle in the machine	Isolate power from key ,handle & GEB	Isolate power from main switch	C	E
100			Turn the machine towards face & lower the bucket on ground	During Load test	While parking on gradient	During Pressure checking	If you notice any loose material at face,	B	E
101			Switch off power when	Carry out any major work	while changing any hydraulic components	Always while carrying out any job	Only while out any electrical work	C	E
	MIN /N0423								
		PC-1							

102			what is the benefits of counting engine hours	use for maintaing record of fuel consumption and maintainance	m/c b/d record	m/c run record	cant say	A	E
		PC-5							
103			Correct practice of carrying loaded bucket during travelling is	Raise bucket and keep machine in 3rd gear	lower bucket as much as possible & move at lower gear.	Travelling with raised bucket is dangers only in gradients not in levels	Can travell in any position provided no one in travelling route	B	E
		PC-6							
104			After a stop,When we move the machine	Engage any gear	Engage 2 nd gear	Engage 1st gear	Engage only forward gear	C	E
		PC-7							
105			To measure Service pressure you need to	Operate any Service lever & Block	Operate any Lever	Only Lift Cylinder lever & block	Only Roll Back cylinder lever & block	A	H
106			Check battery for acid level,terminal cleaning ,and any maintenance work.	Always Remove positive terminal first	Can remove any terminal	Always remove negative terminal first	Without removing terminals ,do any maintenance		
		PC-9							
107			In LHD hub gaer oil be checked	In four Hubs	only two Front and Rear	Front two & Rear Two Hubs	In 6 places	C	E
108			Check Brake oil in Loader	No separe chamber for Brake oil	Through glass window	Through Dip stick	None	D	E
109			Hydraulic oil Capacity in Loader	50-100 litrs	100-150 litrs	200-300 litrs	2000 litrs	C	M
110			Check Brake oil in LHD	No separe chamber for Brake oil	Through glass window	Through Dip stick	None	D	E