

EQUIPMENT PRE-START CHECKLIST

Mobile Crane



Inspection Guidelines	
Air Conditioner	Check air conditioning is functioning properly.
Air Tanks	Drain air tanks to dump moisture.
Anti-two Block system	Check the anti-two block system.
Battery	Check battery terminals and terminations, electrolyte level, cradle and fastenings.
Boom and Boom Cylinder	General condition, length, radius and angle indicators, cracks, corrosion, hoses, fittings, seals, leaks.
Cabins Clean/Access	Ensure cabins are clean. Remove rubbish from floors, seats and dash. Check walkways and handrails.
Chassis	Check the vehicle chassis for cracks, corrosion, pivots, distortion or damage.
Compliance Sticker	Check that safety / registration has not expired.
Control Leavers and Gauges	Check all control levers and gauges for damage and operation.
Crane Configuration Tag	Check the crane configuration tag is visible and clean.
Counterweight	Check that the counterweight is securely stored.
CraneSafe Certification	Check that the CraneSafe certificate is in place and in current date period.
Engine Coolant Level	Check coolant fluid levels, via recovery bottle. Do not open radiator cap as system could be under pressure and cause injury.
Engine Oil Level	With engine stopped, remove engine oil dip stick, wipe clean and re-insert, remove again. Read level to check that it is between min and max.
Fan and fan belts	Check the fan isn't damaged and the belts are tight and in good condition.
Fire Extinguisher/Fire Suppression	Check fire extinguisher is correctly mounted in carrier. Check extinguisher pressure gauge for charge. Charge must be in the green zone. Check extinguisher inspection tag. Check fire suppression system.
First-Aid Kit	Check to see if kit is in vehicle. Open kit and check stock for missing items. Ensure kit is sealed correctly after inspection.
Flashing Beacon	Inspect light for damage and test operation.
Fluid Levels (Brake, Clutch, Power Steering)	Check fluid level in reservoir by checking the level is visible between min and max. Do not remove the cap of the reservoir. Check filler cap for leakage or damage.
Fuel	¼ tank to go to mine from Tabubil.
General Condition	Check the general overall condition of the vehicle and crane, panel damage, beams, hook, ropes, hoses.
Hoist Brake Test	Check the function of the main and auxiliary winches braking systems.
Hook Block	Check the hook, sheaves, safety latch, guards for damage.
Horn	Test horn, horn should be loud and of consistent pitch.
Lights	Operate head lights, indicators, brake and tails, check they are working and clean.
Lifting Equipment	Inspect slings, chains, shackles for damage and SWL tags and current.
Load Charts/Logbook, Operators Manual, Lifting Equipment Register	Check visibility of load charts, operators manual in place, logbook completed and copies passed to supervisor. Equipment lifting register is available in the operator's cabin and with up to date records.
Lubrication	Check lubrication and greasing of Pinion Drive, Turntable bearing ring gear and boom sections.
Load and Level Indicators	Check the function of the Level Indicator, Load Indicators for main and auxiliary and LMI operation.
Minor Oil Leaks	Check for minor leakage such as drips, seeping, and oil in and around engine bay.
Mirrors	Check mirrors for cleanliness, security and damage. Correct the positioning to maximise visibility and minimise blind spots.
Outriggers/Pads	Check for cracks, distortion, leaks, keepers, pins, beam or cylinder damage.
Ropes	Check the condition of the rope for damage/bird caging, anchorage, layering on drums, socket and wedges. Check the hoist rope terminations and tie down point.
Seat and Seat Belt	Check seat for damage, tears and ensure all functions of seat operate adequately and provide comfort and support. Check belt and clasp for damage, tears, rips and holes. Ensure both ends meet securely and ensure clasp holds securely.
Park Brake/ Service Brake/ Exhaust Brake/Telma Braking	Check park brake is holding the vehicle when the transmission is in neutral. After start up, check service brake is functional at low speeds. Check exhaust brake function.
Reverse Alarm / Light	With park brake on, key on, select reverse gear, listen for reversing alarm and inspect for reverse light.
SAFEmine Collision Avoidance	Check that the LED light on the right hand side of screen is red.
Speedometer	Check the speedometer and odometer are both operational.
Steering System	Check steering is responsive to drivers' input.
Throttle Control	Check the operation of the throttle control accelerator.
TrakPro Vehicle Tracking	Check that the LED light on the right hand side of screen is red.
Travelling Slew Lock/Brake	Check the travelling slew lock brake is working and on.
Two Way Radio	Ensure radio is set on the correct channel as used on site. Depress transmit button and release. A responding click should be heard from the radio speaker. If there is any suspicion that the radio is not functioning, send a test transmission.
Tyres, Rims, Wheel Nuts & Wheel Nut Indicators	Inspect all tyres for damage to side walls, tyre tread depth, tread damage, cracks and rims. Check for deflated or visually low pressure in tyres. Inspect the wheels nuts and where fitted wheel nut indicators for indication of movement and broken or missing studs and nuts. Check for indications of wheel movement on hub at nuts.
Visibility of Asset ID	Check the asset ID is clearly displayed on both sides of the vehicle.
Warning Lights / Gauges	Check that all instruments, gauges and warning lights are operational.
Wheel Chocks	Check that there is a set of wheel chocks in the vehicle.
Windows and Doors	Check for damage to doors and windows. Ensure the doors and windows open and close properly.
Windscreen	Check windscreen for damage and cleanliness. Ensure visibility is not reduced by dirty windscreen, clean as necessary.
Wipers I Washers	Check wipers for damage. Check water level, activate switch and check they work.

Seklist bilong Mobail Krein

Win masin	Sekim win masin sapos em wok gut.
Win Tenk	Drenim win tenk long rausim wara.
Enti-tu Blok Sistem	Sekim enti-tu block sistem sapos em wok gut.
Bateri	Sekim bateri teminol, mak bilong bateri wara, ples we bateri I stap long em na ol rop we I holim gut bateri sapos olgeta I stap gut o nogat.
Bum na Bum silinda	Sekim generol kondisen bilong bum na bum silinda. Sekim ol kona indiketa long ol liklik hap bruk o krek. Sekim tu sapos ol hos, fitting na sil I stap long gutpela kondisen na nogat lik.
Kebin kiln/Ekses rot	Kebin mas klin. Rausim pipia long plua, sia na insait long masin. Sekim hanreil tu.
Chesis (Aien bodi bilong krein)	Sekim chesis bilong krein sapos I gat krek o ros long bodi. Sekim tu sapos sampela has bilong aien bodi bilong krein I krungut liklik o bagarap.
Komplaiens Stika	Sekim gut seifti stika na registresen ino pinis yet.
Kontrol liva na mita	Sekim olgeta kontrol liva na mita sapos igat bagarap na bai nonap wok gut.
Krein teg	Sekim teg bilong krein sapos em I klin na stap ples klia.
Kauntaweit	Sekim sapos kauntaweit em I pas strong na stap gut.
Kreinseif (CraneSafe) Setifiket	Sekim sapos Kreinseif (CraneSafe) Setifiket em I stap na em I no expaia.
Ensin kulent levul	Sekim levul bilong kulent wara. Noken opim redieta kep – sistem iken stap aninit long presa na kamapim biru.
Ensin wel mak	Kilim dai ensin, rausim ensin oil stik, sekim, klinim na putim go bek. Ritim mak long sekim sapos em istap namel.
Fen na fen let	Sekim fen sapos igat bagarap o nogat. Fen let tu mas tait na I stap gut.
Paia estingwisa / Paia Sapresen Sistem	Sekim paia estingwisa sapos em stap gut long basket bilong em. Sekim presa mita bilong paia estingwisa. Presa mita em mas stap long grinpela mak. Sekim teg bilong paia estingwisa. Sekim Paia Sapresen Sistem
Marasin kitbek	Sekim na lukim sapos marasin kitbek stap insait long masin. Opim marasin kitbek na sekim sapos sampela samting ino stap. Pasim marasin kitbek gut taim yu pinis long sekim.
Disko lait	Sekim disko lait sapos em wok gut.
Wara mak bilong brek, klas na pawa stia	Sekim mak bilong brek, klas na pawa stia insait long tenk. Noken rausim lit bilong tenk. Sekim fila kep long lukim sapos igat lik o em bagarap.
Fiul (bensin, disel o petrol)	Sekim sapos igat inap fiul long stap long Tabubil na go long Mine (1/4 tenk mak).
Generol kondisen	Sekim gut insait na autsait long masin na lukim sapos igat sampela rong o bagarap. Sekim bim, huk, rop, hos na tu sapos penel I bagarap,
Hoist Brek Tes	Sekim sapos olgeta mein na oxiliri winis bilong brek sistem I wok gut o nogat.
Huk Blok	Sekim huk, huk blok, seifi lok na gad sapos I bagarap o nogat
Belo	Tesim belo, belo mas kraik bikpela.
Lait	Onim na tesim ol het lait, indiketa, brek na tel lait sapos ol I klin na wok gut.
(Lifting Ikwipment) Tul/Masin bilong apim kago o lot	Sekim gut ol sling rop, sen, aien sagol sapos I gat bagarap. Seif Wok Lot Teg I mas stap tu.
Lot Sat/Logbuk, Opereta menuel buk, Regista bilong Lifting Ikwipment	Sekim gut lot sat sapos em I klia. Opereta menuel I mas stap na wok I kamap long en mas I stap insait long logbook. Supavaisa/Wok bos I mas holim dispela logbook.
Lubrikesen o Grisim ol pat bilong krein	Sekim sapos pinion draiv, bering, ring gia na bum I gat gris
Lot na Levul Indiketa	Sekim sapos lot na levul indiketa bilong mein na oxiliri I wok gut long LMI operesen.

Ol liklik oil lik	Sekim na lukim sapos igat liklik oil lik klostu long ensin hap
Mira	Sekim olgeta mira; em mas klin na nogat bagarap. Sapos mira ino stap gut, stretim gut inap long lukluk longwe, baksait na long saitsait
Lek stend na Ped	Sekim lek stend na ped sapos I gat liklik hap bruk o krek, krungut na oil I lik. Sekim tu bim na silinda sapos I gat bagarap.
Rop	Kesim gut kondisen bilong rop sapos emi I bruk, lus o I gat bagarap. Rop mas sidaun gut long dram. Sekim gut hoist rop na ol tai daun point.
Sia na sialet	Sekim sia long sampela bagarap o bruk. Sia mas wok gut na inap long sapotim wokman/meri taim em sidaun. Sekim sialet na lok sapos igat bagarap, bruk o hat long pas gut. Sialet lok mas pas gut.
Pak Brek/Sevis Brek/Exhost Brek/Telma Brek	Sekim pak brek imas wok gut taim gia istap nating o long nutrol. Bihain long yu statim masin, sekim sevis brek I wok gut taim masin I stap long lo spit. Sekim tu exhost brek sapos em I wok gut o nogat.
Tanbek alam/lait	Taim pak brek on, ki on, surukim gia igo long tanbek na traim harim sapos tanbek alam ikrai na tu sekim tanbek lait.
SAFEmine - Abrusim bam	Sekim na lukim sapos LED lait long rait sait ret.
Spitmita	Sekim spit na revmita. Ol imas wok.
Stia sistem	Sekim gut stiaring bilong masin sapos em I wok gut.
Trotol Kontrol	Sekim sapos trotol kontrol em I wok gut
TrakPro – Trekim Masin	Sekim na lukim sapos LED lait long rait sait ret.
Treveling Sliu Lok/Brek	Sekim treveling Sliu Lok/Brek sapos em I on na wok gut
Tu we redio/wailis	Onim redio/wailis na putim go long rait senol. Presim baten bilong toktok na lukim sapos emi wok o nogat. Yu mas harim wanpela liklik pairap long redio spika. Sapos yu bilip olsem redio ino wok gut, traim salim wanpela tes redio toksave.
Taia, rim, wil nats na wil nat indiketa	Sekim long bagarap long sait wol bilong taia, taia tret o sais bilong taia I orait na ino kela na sapos igat liklik hap I bruk o nogat. Sekim tu wil nat na lukim sapos ol nat I lain gut wantaim indiketa. Sekim presa bilong taia. Sekim wil nat na wil nat indiketa sapos I muv, bruk o nat I lus. Sekim ol wil nat gut.
Masin ID	Sekim sapos namba bilong masin I stap na klia long tupela sait wantaim.
Lukaut/waning lait	Sekim ol lukaut/waning lait na ol namba long des sapos olgeta I wok o nogat.
Wil soks o banis	Sekim sapos wil soks/banis I stap insait long masin.
Windo na Dua	Sekim windo na dua long bagarap. Sekim gut sapos dua na windo iken op na pas gut.
Winskrin glas	Sekim glas bilong winskrin long lukim sapos I klin na nogat bagarap
Waipa/Wasa	Sekim waipa sapos igat sampela bagarap. Sekim wara mak bilong waipa wara, onim swis na sekim sapos emi wok gut

Report any check items that fail to your supervisor and do not operate the crane until they are repaired

**ARE YOU
TRAINED
HAVE A VALID PERMIT
AND FIT FOR WORK**

Wheel Nut Indicators

Wheel nut indicators are fitted to the wheel nuts to help identify any loose wheel nuts. Vehicle operators will notice when any nuts are out of alignment, preventing the possibilities of wheel detachment.



