

Product Catalogue

— Keeping Mining and Construction Operations Running.





01. COMPANY OVERVIEW

JABE Machinery & Trading Company Limited is a trusted supplier of heavy equipment spare parts, mining equipment components, construction machinery parts, industrial consumables, procurement services, and equipment rental solutions.

We support mining companies, contractors, construction firms, transport operators, industrial plants, and government institutions by providing high-quality genuine, OEM, and aftermarket spare parts from reputable global manufacturers.





02. OUR SERVICES

JABE Machinery & Trading Company Limited is far more than a parts reseller, it is a complete machinery-support partner. At the Core of Our Business:



SPARE PARTS SUPPLY

Spare parts supply is the heart of JABE's business. We stock and source components for every major machine system: engine, hydraulics, transmission, undercarriage, electrical and more — covering leading brands such as Caterpillar, Komatsu, Volvo, Hitachi, Hyundai, Doosan, JCB, SDLG, XCMG and LiuGong. To suit every budget and application, we offer three quality options:

☀️ Genuine Parts ☀️ OEM Parts ☀️ Aftermarket Parts



EQUIPMENT RENTAL

For contractors and project owners who need machines without the cost of ownership, JABE offers well-maintained heavy equipment on flexible rental terms — ready to work, with technical support behind every unit:

 Excavators  Motor Graders  Bulldozers  Wheel Loaders



IMPORTATION

Worldwide sourcing: Not every part sits on a local shelf, and JABE does not limit customers to local stock. Through our established international supplier network, we import parts and equipment from around the world on demand. Whatever the part number, if it exists, we can bring it in — with all import procedures handled by our team.



PROCUREMENT

Emergency sourcing: JABE acts as a procurement partner, taking over the entire sourcing process on behalf of the client: identifying the correct part, comparing suppliers, negotiating pricing and managing the purchase. When a machine breaks down and every hour of downtime costs money, our emergency sourcing service prioritises the search, locates the fastest available option and expedites delivery to get the fleet back to work.



LOGISTICS

Supplying the part is only half the job, delivering it is the other half:

Local delivery

Fast, reliable delivery nationwide, reaching mining and construction sites wherever they operate.

International shipping

For cross-border clients and regional projects, we arrange international shipping with full documentation, so distance is never a barrier to dealing with JABE.



03. Supported Brands

KOBELCO

KOMATSU



HITACHI





04. Our Machine Systems & Spare Parts

Every heavy machine, whatever its brand, is built from the same fundamental systems. Understanding these systems makes it easy to find, specify and order the correct spare part. The twenty sections that follow cover each system in turn.



ENGINE PARTS

The engine is the heart of every machine JABE supports. It converts diesel fuel into the mechanical power that drives the hydraulics, transmission and travel systems. In mining and construction conditions - heat, dust and continuous heavy loading - engine components wear faster than in any road application, which is why JABE stocks complete overhaul kits as well as individual components for CAT, Komatsu, Volvo, Hitachi and other engines.

Products



ENGINE BLOCK

The main cast structure that houses the cylinders, crankshaft and internal components; it forms the foundation on which the whole engine is built.



CYLINDER HEAD

Seals the top of the cylinders and carries the valves, injectors and part of the combustion chamber; supplied fully machined or as a bare casting.



CYLINDER LINERS

Replaceable hardened sleeves fitted inside the block in which the pistons travel; they take the wear so the block itself does not have to be replaced.



PISTONS

Move up and down inside the liners, converting combustion pressure into mechanical force.



PISTON RINGS

Seal the gap between piston and liner, control oil consumption and transfer heat from the piston to the cylinder wall.



CONNECTING ROD

Links each piston to the crankshaft and transmits the force of combustion.



MAIN BEARINGS

Precision shells that support the crankshaft in the block and allow it to rotate smoothly under load.



CON ROD BEARINGS

Bearing shells fitted between the connecting rod and the crankshaft journals to reduce friction and wear.



CAMSHAFT

Opens and closes the engine valves at precisely timed intervals as it rotates.



CRANKSHAFT

Converts the up-and-down motion of the pistons into the rotating power that drives the machine.



OIL PUMP

Circulates pressurised oil to lubricate every moving part of the engine.



WATER PUMP

Circulates coolant through the engine block, head and radiator to control operating temperature.



FUEL INJECTOR

Sprays a precisely metered quantity of atomised fuel into the combustion chamber.



FUEL PUMP

Delivers fuel from the tank to the injection system at the required pressure.



TURBOCHARGER

Uses exhaust gas energy to force extra air into the engine, increasing power and fuel efficiency - one of JABE's top-selling items.



VALVES

Control the entry of clean air into the cylinder and the exit of exhaust gases.



VALVE GUIDES

Keep each valve perfectly aligned as it opens and closes.



VALVE SEATS

Provide the hardened sealing surface the valve closes against, maintaining compression.



VALVE SPRINGS

Return the valves to their closed position after every opening cycle.



ROCKER ARMS

Transfer the motion of the camshaft to the valves.



TIMING GEARS

Synchronise the rotation of the crankshaft and camshaft so valves and pistons never collide.



GASKETS

Seal the joints between engine components - head, sump, manifolds - to prevent oil, coolant and compression leaks.



OIL COOLER

Removes excess heat from the engine oil before it recirculates.



THERMOSTAT

Regulates coolant flow so the engine reaches and holds its optimum operating temperature.



SENSORS

Monitor temperature, pressure and speed and feed this data to the machine's control module.



ENGINE MOUNTS

Rubber-and-steel supports that carry the engine on the chassis and absorb vibration.

FUEL SYSTEM

The fuel system stores, cleans, pressurises and delivers diesel to the engine. Modern common-rail engines run at extremely high injection pressures, so fuel cleanliness is critical - a single tank of contaminated fuel can destroy injectors worth thousands of dollars. JABE supplies the complete chain, from tank components to common-rail parts.

Products



FUEL FILTER

Removes dirt, debris and water from the fuel before it reaches sensitive injection components.



FUEL PUMP

Draws fuel from the tank and supplies it to the injection pump and injectors.



INJECTOR

Atomises fuel into the combustion chamber at very high pressure for clean, efficient burning.



TRANSFER PUMP

The lift pump that moves fuel from the tank up to the high-pressure injection pump.



FUEL TANK COMPONENTS

Caps, sender units, strainers, breathers and fittings that keep the tank sealed, vented and measurable.



FUEL LINES

Pipes and hoses that carry fuel safely between the tank, filters, pumps and injectors.



PRESSURE SENSORS

Monitor fuel pressure in the system and report it to the engine control module.



INJECTION PUMP

Pressurises the fuel and times its delivery to each injector.



COMMON RAIL COMPONENTS

The high-pressure rail, regulators and control valves used in modern electronically controlled diesel engines.



COOLING SYSTEM

Heavy equipment works at full load in high ambient temperatures, so the cooling system is what stands between normal operation and a catastrophic overheat. It circulates coolant through the engine and rejects that heat to the atmosphere through the radiator.

Products



RADIATOR

Transfers heat from the coolant to the surrounding air through its core of tubes and fins.



FAN

Draws a high volume of air through the radiator to boost cooling.



FAN HUB

Mounts the fan and transmits drive to it from the engine.



FAN CLUTCH

Engages and disengages the fan according to temperature, saving engine power when full cooling is not needed.



WATER PUMP

Keeps coolant circulating continuously between the engine and the radiator.



THERMOSTAT

Opens and closes to control coolant flow, holding the engine at its correct temperature.



COOLANT HOSE

Flexible reinforced hoses connecting the engine, radiator and expansion tank.



EXPANSION TANK

Accommodates coolant expansion as it heats up and maintains the correct system level.



TEMPERATURE SENSOR

Monitors coolant temperature for the dash gauge, warning system and ECM.



LUBRICATION SYSTEM

The lubrication system circulates clean, pressurised oil to every bearing, gear and sliding surface in the engine. Loss of oil pressure for even a few seconds can seize an engine, which is why pumps, filters and pressure components are among the most frequently replaced service parts.

Products



OIL FILTER

Traps metal particles, soot and contaminants as the oil circulates.



OIL PUMP

Pressurises the oil and drives it around the engine's lubrication galleries.



OIL COOLER

Keeps oil temperature within safe limits under continuous heavy load.



OIL PAN

The sump at the bottom of the engine that stores the oil supply.



DIPSTICK

Allows a quick manual check of the oil level during daily inspection.



PRESSURE SENSOR

Warns the operator immediately if oil pressure drops below a safe level.



BREATHER

Vents crankcase pressure while keeping dust and moisture out.



RELIEF VALVE

Diverts excess flow to prevent dangerous over-pressure in the system.

AIR INTAKE SYSTEM

Engines in mines and quarries breathe some of the dustiest air on earth. The air intake system cleans, compresses and cools that air before it enters the cylinders - and its filters are the machine's first line of defence against abrasive dust wear.

Products



AIR FILTER

Removes dust and abrasive particles from the intake air; the most critical protection for engines working on dusty sites.



TURBOCHARGER

Compresses the intake air so the engine can burn more fuel and produce more power.



INTERCOOLER

Cools the compressed air from the turbocharger, increasing its density for better combustion.



AIR HOSE

Ducting that connects the filter housing, turbocharger and intake manifold without leaks.



INTAKE MANIFOLD

Distributes the clean, cooled air evenly to every cylinder.



BOOST SENSOR

Measures turbo boost pressure so the ECM can manage fuelling correctly.



EXHAUST SYSTEM

The exhaust system carries hot combustion gases safely away from the engine, reduces noise, and - on newer machines - treats the gases to meet emissions standards. JABE supports both older mechanical machines and modern emission-controlled models.

Products



MUFFLER

Reduces exhaust noise to safe, acceptable working levels.



EXHAUST MANIFOLD

Collects hot gases from all cylinders and channels them to the turbocharger and exhaust pipe.



FLEXIBLE PIPE

A flexible section that absorbs engine movement and vibration in the exhaust line.



DOC

Diesel Oxidation Catalyst - converts carbon monoxide and unburned hydrocarbons into harmless gases.



DPF

Diesel Particulate Filter - captures soot particles from the exhaust before they reach the atmosphere.



SCR COMPONENTS

Selective Catalytic Reduction parts (catalysts, dosing modules, DEF/AdBlue injectors) that reduce nitrogen-oxide emissions.

HYDRAULIC SYSTEM

Hydraulics are what make an excavator dig and a loader lift: the system converts engine power into high-pressure oil flow, then back into pushing, pulling and rotating force at the cylinders and motors. Because the whole machine depends on it, hydraulic pumps, cylinders and seal kits are among JABE's most requested items.

Products



HYDRAULIC PUMP

The main pump that converts engine power into pressurised oil flow for the entire machine - a JABE featured product.



HYDRAULIC CYLINDER

Converts hydraulic pressure into straight-line force to lift the boom, move the arm and curl the bucket.



SEAL KITS

Complete sets of piston, rod and wiper seals to restore leaking cylinders, pumps and motors.



CONTROL VALVE

Directs oil to the correct cylinder or motor in response to the operator's commands.



JOYSTICK

The operator's pilot-control lever that commands the machine's hydraulic functions.



HYDRAULIC HOSE

High-pressure reinforced hoses that carry oil between pumps, valves and actuators.



HYDRAULIC MOTOR

Converts oil flow back into rotation - for example the swing motor and travel motors of an excavator.



HYDRAULIC TANK

Stores the oil supply and helps cool and de-aerate it between work cycles.



FILTERS

Keep the hydraulic oil clean, protecting the fine tolerances inside pumps and valves.



ACCUMULATOR

Stores hydraulic energy and cushions pressure spikes in the circuit.



TRANSMISSION SYSTEM

The transmission takes power from the engine and delivers it to the wheels or tracks at the correct speed and torque for the job - creeping under full load one minute, travelling between work areas the next. Wheel loaders, graders and dump trucks depend on these components every working hour.

Products



TORQUE CONVERTER

A fluid coupling that transfers and multiplies engine torque smoothly into the transmission.



TRANSMISSION PUMP

Supplies the pressurised oil used to engage clutches and lubricate the gearbox.



TRANSMISSION CLUTCHES

Hydraulically applied clutch packs that engage the selected gear and direction.



TRANSMISSION DISCS

The friction and steel plates inside each clutch pack; they wear together and are replaced as sets.



GEAR SETS

The meshing gears that provide the machine's forward and reverse speed ranges.



SHIFT SOLENOIDS

Electrically controlled valves that carry out gear changes on command from the transmission controller.



TRANSMISSION FILTERS

Remove clutch material and debris from the transmission oil.

FINAL DRIVE & AXLES

The final drive is the last stage of the drivetrain: it multiplies torque one final time and delivers it to the wheels or track sprockets. These components carry the full weight and pulling force of the machine, so JABE stocks complete final drives as well as individual gears, bearings and seals.

Products



PLANETARY GEARS

Provide the final speed reduction and torque multiplication right at the wheel or sprocket.



SUN GEAR

The central gear of the planetary set that receives the drive input.



CARRIER

Holds the planetary gears in position and transfers the output torque.



AXLE SHAFT

Transmits drive from the differential out to each wheel hub.



HUB

Mounts the wheel or sprocket and houses the wheel bearings.



DIFFERENTIAL

Allows the drive wheels to rotate at different speeds when the machine turns.



FINAL DRIVE BEARINGS

Heavy-duty bearings that support the shafts and gears under extreme loads.



SEALS

Keep the oil inside the final drive and the mud and dust outside.



BRAKE SYSTEM

On machines that weigh 20 to 100 tonnes and work on slopes and haul roads, braking is a safety-critical system. Heavy equipment typically uses oil-cooled wet disc brakes backed by hydraulic actuation, and every component must be replaced with parts of proven quality.

Products



BRAKE DISC

The rotating friction element that is clamped to slow and stop the machine; often an oil-cooled multi-disc pack in heavy equipment.



BRAKE PLATE

The steel counter-plates that work together with the friction discs inside wet brake packs.



BRAKE CALIPER

Clamps the pads onto the disc to generate braking force.



BRAKE VALVE

Modulates hydraulic pressure to the brakes in proportion to pedal effort.



BRAKE PUMP

Supplies the hydraulic pressure that actuates the braking system.



BRAKE SHOES

Friction elements pressed outward against a drum in drum-brake arrangements.



MASTER CYLINDER

Converts the operator's pedal effort into hydraulic pressure.

STEERING SYSTEM

Steering on heavy equipment is fully hydraulic - from articulated loaders that bend in the middle to graders with leaning front wheels. The system must respond precisely at low speed under full load, so pumps, valves and linkage parts are regular maintenance items.

Products



STEERING PUMP

Provides the hydraulic pressure that powers the steering system.



STEERING CYLINDER

Pushes and pulls to turn the wheels or articulate the machine's chassis.



STEERING VALVE

The orbital valve that meters oil to the cylinders in exact proportion to the steering-wheel input.



TIE ROD

Connects the steering linkage to the wheel hubs and keeps both wheels aligned.



KING PIN

The pivot pin on which the steered wheel assembly turns.



ELECTRICAL SYSTEM

Modern machines are as much electronic as they are mechanical: sensors, controllers and monitors manage everything from fuel injection to hydraulic response. JABE supplies both the classic electrical components and the electronic control parts for current machine generations.

Products



ALTERNATOR

Generates electrical power and keeps the batteries charged while the engine runs.



STARTER MOTOR

Cranks the engine to start it - a high-load component in machines started many times a day.



SENSORS

Measure speed, pressure, temperature and position throughout the machine for the control system.



SWITCHES

Operator and safety switches that control individual electrical circuits.



RELAYS

Electrically operated switches that protect and control high-current circuits.



HARNESS

The complete wiring loom that connects every electrical component on the machine.



BATTERY

Stores the energy needed for starting and for powering systems when the engine is off.



LIGHTING

Work lamps, headlamps and beacons that keep the machine productive and safe around the clock.



ECM

The Electronic Control Module - the on-board computer that manages the engine and machine systems.



DISPLAY MONITOR

The in-cab screen showing machine data, warnings and diagnostic information.



UNDERCARRIAGE PARTS

On tracked machines such as excavators and bulldozers, the undercarriage carries the machine's entire weight over rock, mud and abrasive ground. It is the single highest-wear area of the machine - often accounting for a large share of lifetime maintenance cost - which is why it deserves its own section and why JABE keeps a deep stock of undercarriage components.

Products



TRACK CHAIN

The linked assembly of pins, bushings and links that forms the crawler track itself.



TRACK SHOES

The ground-contact plates bolted to the chain, with grousers that provide traction.



TRACK ROLLER

The bottom rollers that carry the machine's weight along the track.



CARRIER ROLLER

The top rollers that support and guide the upper run of the track.



FRONT IDLER

Guides the track at the front of the frame and keeps it aligned and tensioned.



SPROCKET

The toothed wheel that engages the chain and drives the track.



TRACK ADJUSTER

The grease-actuated tensioner that maintains correct track tension.



RECOIL SPRING

Absorbs shock loads on the idler when the track strikes obstacles.



TRACK BOLT

High-tensile bolts that secure the shoes to the chain links.



TRACK NUT

The matching hardened nuts for the track bolts.



MASTER PIN

The special removable pin that allows the track chain to be split for service.



BUSHINGS

The wear sleeves between the pins and chain links that the sprocket drives against.



GROUND ENGAGING TOOLS (GET)

Ground Engaging Tools are the sacrificial cutting parts that actually touch the ground - teeth, edges and rippers. They are designed to wear so the bucket and blade behind them do not, and in hard-rock mining they are replaced on a routine cycle. Bucket teeth are one of JABE's top-selling product lines.

Products



BUCKET TEETH

Replaceable hardened points that penetrate soil and rock at the bucket edge.



ADAPTERS

The mounting bases welded or bolted to the bucket lip onto which the teeth lock.



CUTTING EDGE

The bolt-on wear edge that runs along the bucket lip or dozer/grader blade.



SIDE CUTTER

Protects and widens the sides of the bucket while improving material flow.



RIPPER TOOTH

The heavy point fitted to a ripper shank for breaking hard, compacted ground.



END BITS

The wear parts on the outer ends of dozer and grader blades, where wear is heaviest.



SEGMENT BOLTS

The plough bolts and nuts that secure cutting edges, end bits and segments.

BUCKET COMPONENTS

Beyond the GET, the bucket itself is connected to the machine through pins, bushings, cylinders and linkages that all wear under constant digging loads. Keeping this joint hardware fresh prevents the looseness and play that accelerates damage to the boom and arm.

Products



BUCKET PINS

Hardened pins that connect the bucket to the arm and linkage.



BUCKET BUSHINGS

Replaceable wear sleeves fitted in the pin bores of the bucket and links.



BUCKET CYLINDERS

The hydraulic cylinders that curl and dump the bucket.



LINKAGES

The H-links and side links that connect the cylinder to the bucket with the correct geometry.



SEAL KITS

Seal sets that restore the bucket cylinder to leak-free operation.



SEAL KITS

Seal kits are complete, matched sets of every seal, O-ring and wiper needed to rebuild a specific component. Ordering the kit rather than individual seals guarantees nothing is missed during a rebuild and gets the machine back to work faster.

Products



HYDRAULIC CYLINDER KITS

Full seal sets for boom, arm, bucket, steering and blade cylinders.



PUMP KITS

Complete seal and repair sets for hydraulic main pumps, restoring pressure and flow during overhaul.



MOTOR KITS

Seal sets for travel motors and other hydraulic motors.



TRANSMISSION KITS

Gasket and seal sets for transmission and torque-converter overhauls.



FINAL DRIVE KITS

Seal sets - including heavy-duty floating seals - for final drive rebuilds.



SWING MOTOR KITS

Seal sets for excavator swing motors and swing gearboxes.

RUBBER PRODUCTS

Rubber components are the flexible connections and seals of the machine. They perish with heat, age and oil exposure regardless of hours worked, so they are replaced routinely during every major service.

Products



BELTS

Drive the fan, alternator, water pump and air-conditioning compressor.



HOSES

Flexible coolant, air, fuel and hydraulic lines throughout the machine.



MOUNTINGS

Rubber isolators for the engine, cab and components that absorb vibration and shock.



O-RINGS

Universal circular seals used at fittings, flanges and covers across every system.



OIL SEALS

Rotary shaft seals that keep lubricant in and contamination out.



DUST SEALS

Exclude dirt and grit from pins, cylinder rods and moving joints.

FASTENERS

Heavy equipment fasteners are engineered, high-tensile components - not ordinary hardware-shop bolts. Using the correct grade and size is essential for safety on parts such as track shoes, cutting edges and wheel rims.

Products



BOLTS

High-tensile bolts in the grades and sizes specified by each machine manufacturer.



STUDS

Threaded studs for wheels, manifolds and housings where bolts are unsuitable.



WASHERS

Flat, spring and hardened washers that distribute load and lock fasteners in place.



PINS

Hardened pins for joints, linkages and attachments.



BUSHINGS

Wear sleeves fitted at pinned joints to protect the parent components.



CONSUMABLES

Consumables are the fluids and service materials every machine uses continuously. Supplying them alongside spare parts allows JABE customers to complete a full service from a single order.

Products



GREASE

Heavy-duty greases for pins, bushings, bearings and automatic lubrication systems.



ENGINE OIL

Diesel engine oils meeting the specifications of the supported manufacturers.



HYDRAULIC OIL

Hydraulic fluids for the machine's high-pressure hydraulic circuits.



COOLANT

Long-life coolants that protect against overheating, corrosion and cavitation.



BRAKE FLUID

Fluids for hydraulically actuated brake systems.



SEALANTS

Gasket makers, thread lockers and sealing compounds used during assembly and repair.

05. Ordering From JABE.

Ordering is designed to be simple. The customer sends the part number or machine model, receives a quotation, and confirms the order; after payment the parts are dispatched and delivered, with after-sales support available throughout the life of the part. Whether the requirement is a single seal kit or a bulk supply contract for a mining fleet or government project, the same seven steps apply: send part number or machine model, receive quotation, confirm order, payment, dispatch, delivery, and after-sales support.



Why buy from JABE? Genuine, OEM and high-quality aftermarket options; competitive pricing; fast nationwide delivery; a large inventory; expert technical support; an import-on-demand service; and proven support for mining and construction fleets, contractors and government projects.

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We Understand **Machines**