IPS MINING REPAIR SERVICE HIGHLIGHTS

MegaSeal™ rewind of a synchronous compressor motor for gold mine

IPS performed a MegaSeal™ stator rewind for a 72,800 lb. ABB synchronous motor. The 18,500 HP, 13.8 kV unit powers a compressor in harsh operating conditions, which made the MegaSeal™ VPI engineered insulation essential.

Our mining customers demand reliability. MegaSeal™ is a proven insulation system tested under water per IEEE 1776-2008 and carries a five-year warranty.

Dedicated small motor repair departments and machine shops

IPS operates dedicated small motor repair departments in service centers across North America, providing comprehensive repair and testing on NEMA and other specialty low-voltage motors up to 690 V. These self-contained departments are specifically designed to provide quality cost-effective repairs and short turn times for fast delivery.

IPS also offers extensive machining capabilities, including turning, pressing, welding, plating and both horizontal and vertical milling.

Motor repair to MSHA certification

As the former service division of Reliance Electric, IPS has extensive MSHA repair knowledge and experience with both AC & DC mining motors. As an authorized warranty repair provider, IPS provides customers with high quality OEM-level repairs.

For more information on IPS repair services, please contact your IPS sales representative or visit us at www.ips.us.
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New 2,500 HP motor from stocked inventory
IPS recently supplied a new Siemens 2,500 HP, 4,160 V induction motor from our Above NEMA inventory. The motor was modified and attached to a diesel generator and motor base. IPS bored all couplings to size, mounted and aligned the engine with an air clutch and the motor, tested the unit and then disassembled the entire drive train for on-time shipment. Once on site, an IPS field service team assisted with the installation and commissioning of the completed skid. IPS stocks 1/4 - 2,500 HP motors from most major manufacturers in locations across North America.

Rebuild of a process circulating pump
We remanufactured a 38” Goulds/Morris process circulating pump with a 316 stainless steel liner for a Rocky Mountain mining customer.
IPS restored the worn stainless liner and repaired the shaft ends to restore seal and bearing journals. IPS also machined new stainless sleeves, installed a new impeller, balanced it and added new bearings. Everything was machined to specification and delivered within 90 days—at a fraction of the cost of a new unit.

Motor rewind and CST rebuild for slope belt conveyor
IPS repair technicians combined their rewind and CST experience on a recent job for a mining customer’s slope belt conveyor. IPS rewound the stator on the Reliance motor, rebuilt the Dodge CST and tested everything. As an authorized warranty repair provider, IPS provides customers with OEM-level quality repairs, giving these conveyors the consistent, controlled starts and stops they need.

Rewind of DC mining hoist motor
IPS rewound and rebuilt a DC motor for a customer’s chemical mining operation. The Westinghouse unit — 20,000 lbs., 1,750 HP and 500 VDC — drives a hoist at the mine.
IPS did a rewind and complete rebuild on budget and on time. Mining customers like service providers to be as reliable and trouble-free as their motors — the IPS repair specialists and field service teams have years of experience surpassing those expectations.