QWISE-FM-SBJSGC-2019-KYJ

Company Standard

Hunan WISE New Material Technology Co., Ltd.

Powder sub-factory

Powder product

production process equipment

safety technical regulations

Air compressor safety technical regulations

Approved by ： Zhaohui LIU　　Prepared by：Liyun Yun　Xing Wang
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Air compressor safety technical regulations

1、 Prepare before starting up：

1.1 Open the cooling water total inlet valve or start the circulating water pump to pass cooling water into the main unit and each cooler;

1.2 Adding the amount of fuel in the fuselage and the amount of oil in the oiler,manually inject a proper amount of lubricating oil into the cylinder to facilitate startup;

1.3 Close the unloading valve to ensure no-load start,open the total exhaust pipe valve to ensure the normal air supply state;

Close the switch to confirm that the meter and indicator signal are correct, and ensure that the motor and drive system work properly.

2、 Starting up：

2.1 The air compressor must be started at no load. After starting, check whether the pointer of the oil pump pressure gauge is boosted immediately; whether the oil is dripping in the transparent cover of each oil gun; whether the sound of the motor and air compressor is normal; touch to check whether the temperature of each moving part is normal, keep the machine running. About 10 seconds;

2.2 Slowly open the unloading valve,the air compressor starts to load,and the first and second pressure gauges are gradually boosted to the specified value;

2.3 When the air supply volume of the air compressor and the actual air consumption are basically balanced,the pressure regulator and the relief valve rarely operate;if the air supply amount is much smaller than the air consumption,it is difficult to maintain the required air supply pressure;if the air supply amount is much larger than the air consumption amount If so,the pressure regulator and the relief valve will move frequently.

3、 During the operation,the lubricating oil quantity and oil pressure,the cylinder oil filling amount,the cooling water quantity and the water temperature should be checked regularly.The water temperature should be slightly higher than the inlet water temperature but not more than 40 degrees Celsius from the main overflow bucket;check the cylinders at all levels.Whether the exhaust temperature and oil temperature are kept within the normal range;check whether the sound of each

moving part of the main engine,the suction and exhaust valves of the various stages, and the motor are normal.

4、 Always check the sensitivity and uniformity of pressure regulators,relief valves,safety valves,oil pressure relays and temperature relays (or check the coupling is normal);keep the air filter filter muffler clean,depending on environmental conditions Clean the filter once every 200 to 300 hours.

5、 Pay attention to check whether the indications of each meter are normal; every shift should discharge 2~4 times of dirty liquid.

6、 Parking operation:

(1) After about 15 minutes after the shutdown, the cylinders are gradually cooled down, then the cooling water valve is closed to stop the water supply, and the water in the machine is drained (the lowest water valve of the water pipe is opened) to prevent freezing in winter.

(2) The intercooler, condensate and water in the air tank and aftercooler should be discharged.

(3) After the normal work after each shift,the above treatment can be.If you want to park for more than 10 days,after the standby is full of cooling,the moving friction surface should be filled with sufficient lubricating oil to prevent rust.

Emergency stop should be performed once one of the following conditions occurs: sudden interruption of cooling water (observable overflow bucket), sudden loss of pressure of the oil pump and oil break of the oil injector, abnormal noise, partial smoke or partial If the temperature is too high, the ammeter pointer suddenly increases or the meter pointer oscillates violently, the exhaust pressure of a certain stage suddenly rises above the normal value, and a large amount of air bubbles (the cylinder head gasket has leaked) is generated in the cooling water overflow bucket.

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