

PERIODIC AND PREVENTIVE MAINTENANCE OF AIR COMPRESSOR

Points for action	600 CFM Ingersol rand	365 CFM Ingersol rand	365 CFM CPT	365 CFM KG Khosla	250 CFM KG Khosla
Pre-air cleaner	The pre air cleaner should be required in accordance with operating conditions, daily if working in a very dusty condition. Check pre cleaner screen for damage and defect.	Same as for 600 CFM IR	Inspect the pre air cleaner daily and more often, even twice a day, while working in a dusty environment.	-	-
Air cleaner	Check air cleaner oil level and sediment deposits daily. Specially while working in dusty condition. Replace oil if:- (a) Sediment deposits are 1/4" thick or more. (b) Oil becomes thick with suspended impurities. Use recommended grade of oil.	-do-	Same as for 600 CFM IR	Under normal working conditions the filter must be cleaned alternate day. In dusty operating condition it must be cleaned daily.	Same as for 365 CFM KGK.

Moisture separator

Drain off the water from the control filter frequently during running of the compressor unit and always before shutting down. This is essential in cold weather as to prevent freezing and consequent blocking of the air flow to the control valves. Change oil filter after 500 hrs of operation.

Drain off daily. The felt packing of the moisture separator should be serviced after 1000 hrs or early if necessary in humid climates.

Same as for 365 CFM KGK. Note:- If the compressor is fitted with moisture separator

Compressor oil Tank/ Separator Tank

Drain off in the morning through the sediment drain valve any condensate or water which may have collected under lubricating oil. Close as soon as the oil appears.

Same as for 600 CFM IR

Drain off water from the oil tank before starting the equipment.

Note:- Do not attempt to remove the oil filter or drain plug without releasing all pressure from the receiver tank.

Air receiver tank

When the equipment is stopped, open the air outlet valve to release the pressure in the receiver.

Same as for 600 CFM IR

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Compressor oil	Change compressor oil after 500 hrs or early as per the operating oconditions. Use recommended compressor oil. DO NOT MIX DIFFERENT BRANDS OF OILS	Same as for 600 CFM IR	Same as for 600 CFM IR	Change oil after working hours:- (a) 1st change ater 50 hrs. (b) 2nd change after 100 hrs. (For new or overhauled equipment) then change oil every 150 hrs of operation.	Same as for 365 KGK.
Compressor oil filter	Service the filter after every 100 hrs of operation. It is advisable to have extra filter element assy on hand for quick replacement. The dirty filter element can then be cleaned when convenient.	Same as for 600 CFM IR	Change filter after 500 hrs of operation.	Clean the oil strainer at every oil change.	Same as for 365 KGK.
Oil cooler	Whenever the oil cooler is cleaned or overhauled work is carried out the entire compressor oil circuit should be cleaned to ensure that the compressor unit is properly lubricated.	Same as for 600 CFM IR	Same as for 600 CFM IR	-	-
Pre air cleaner	The pre air cleaner should be servicedas often as required in accordance with ooperating conditions, daily if working in a very duaty condition. Check pre cleaner screen for damage and defect.	-	-	-	-

Air cleaner	Check air cleaner oil level and sediment deposits daily. Specially while working in dusty condition. Replace oil if:-(a) Sediment deposits are 1/4" thick or more.(b) Oil becomes thick with suspended impurities. Use recommended grade of oil.	Wash air cleaner elements daily. Replace air cleaner oil if more than 1/4" of dust is found in the oil pan or oil becomes thick with suspended dust. Use recommended grade of oil.	Under normal working conditions the filter must be cleaned alternate day. In dusty operating condition it must be cleaned daily.	Inspect and clean the air cleaner after 50 hrs of operation but if the unit operates under very dusty conditions it should be cleaned more frequently. Replace oil if :-(a) 1/4" dust is found in the ol pan.(b) Oil becomes thick with suspended dust. Use recommended grade of oil.
Moisture trap	-	Drain daily or more frequently in humid climates. Dismantle, clean and repalace filter element after 1000 hrs of operation or early if necessar in humid climates.	Drain off daily. The felt packing of the moisture trap should be serviced afte 1000 hrs or early if necessary in humid climates. (If the compressor is fitted with moisture trap).	Drain daily condensed water from the regulating valve or more frequently in humid climates.
Compressor oil tank/Separator Tank	Drain off in the morning through the sediment drain valve any condensate or water which may have collected under lubricating oil. Close as soon as the oil appears. Note:- Do not attempt to remove the oil filter or drain plug without releasing all pressure from the receiver tank.	Drain off water from the tank before starting the equipment. Note:- Same as for 250 CFM IR.	-	-
				Same as for 210 KB.

Air receiver tank	When the equipment is stopped, open the air outlet valve to release the pressure in the receiver.	Same as for 250 CFM IR.	Same as for 250 CFM IR.	Same as for 250 CFM IR.	Same as for 250 CFM IR.
Compressor oil tank/Separator Tank	Change compressor oil after 500 hrs or early as per the operating conditions. Use recommended grade of oil.	Same as for 250 CFM IR.	Change oil after working hours:-(a) 1st change after 50 hrs.(b) 2nd change after 100 hrs.(For new or overhauled equipment) then change oil every 150 hrs of operation.	Change the compressor oil after 1000 hrs of operation. Use recommended grade of oil.	Change the compressor oil after 400 hrs of operation. Use recommended grade of oil.
Compressor oil filter	Service the filter after every 100 hrs of operation. It is advisable to have extra filter element assy on hand for quick replacement. The dirty filter element can then be cleaned when convenient.	Change oil filter after every 500 hrs of operation.	Clean the oil strainer at every oil change.	Clean the oil strainer after every 3000 hrs of operation or every time the compressor is partly overhauled.	Service oil filter every 1200 hrs of operation.
Oil cooler	Whenever the oil cooler is cleaned or overhauled work is carried out the entire compressor oil circuit should be cleaned to ensure that the compressor unit is properly lubricated.	Same as for 250 CFM IR.	-	-	-