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Mack Trucks HVAC Maintenance Checklist

Inspection Details

Report #: _____
 Location: _____
 Inspection Date: _____
 Inspector Name: _____

Fleet Details

Fleet # : _____
 Fleet Category : _____
 Fleet Name : _____
 VIN #: _____
 Meter Reading: _____
 Model/Year: _____

Condenser

SN	Inspection Item	Note	Good	Repair	Replace	NA
1	Inspect tubes for obvious dents & oil stains/dirt indicating leakage		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Clean dirt and bugs from condenser fin area (may be necessary every 30 days under severe operating conditions)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Inspect condition of fins (straighten as required)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Receiver/Drier (Filter)

SN	Inspection Item	Note	Good	Repair	Replace	NA
4	Refrigerant system		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Check moisture indicator, either remote mounted or built into the drier (Blue is OK while pink or white indicates moisture presence and replacement required)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Check temperature of drier canister while running (warm to touch)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaporator

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SN	Inspection Item	Note	Good	Repair	Replace	NA
7	Clean dirt, bugs & airborne particulate from fin area		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Inspect drain pump (if present) & float for obstructions and operation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Clean dirt, bugs & airborne particulate from the drain pan & drain hole		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Expansion Valve

SN	Inspection Item	Note	Good	Repair	Replace	NA
10	Check inlet (liquid) line from drier (warm to touch)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Check refrigerant charge head for damage & leakage		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other Components

SN	Inspection Item	Note	Good	Repair	Replace	NA
12	Filters		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Pressure Switches		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Water Valve		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Compressor & Belt Drive System

SN	Inspection Item	Note	Good	Repair	Replace	NA
15	Discharge line (warm/hot to touch)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Suction line (cool to touch)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Inspect face of clutch hub for signs of slippage (heat discoloration)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	Check clutch working voltage and current draw (4amps @ 12 volts / 2 amps @ 24 volts)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Inspect shaft seal for presence of oil & dirt indicating leakage		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Confirm alignment of clutch pulley with crankshaft drive pulley (belt will show side wear)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Inspect idler pulley for bearing wear (looseness)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Inspect compressor belt for glazing or cracking		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	Belt tension (verify manufactures specs in owners manual)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

System Maintenance

SN	Inspection Item	Note	Good	Repair	Replace	NA
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24	Visual system		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	System refrigerant		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	System evacuation & leak		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	Recharge system with correct refrigerant charge amount		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Note	

Overall Condition: _____
 Fleet Safe to Use: _____
 Maintenance Priority: _____
 Deployed: _____

 Signature



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