

DRESSER-RAND-POWER

DR61G(000)-1-4

CHAPTER 2

FAULT LOCATION

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1 INTRODUCTION

The following table details possible indications on the Control Console and their probable cause and remedial action.

NOTE: It is stressed that no-one should work on the Gas Turbine Generator Units without prior training and that all safety precautions detailed in these manuals and elsewhere should be followed implicitly.

In the event of any difficulties contact **Dresser-Rand Power**.

2 FAULT INDICATIONS

<u>Indications</u>	<u>Cause</u>	<u>Remedial Action/Notes</u>
Speed Pick-up failure	Pick-up or connections	Check pick-ups and connections for damage. If all pick-ups fail, then shut-down will be initiated.
Vibration Pick-up failure	Pick-up or connections	Check pick-ups and connections for damage.
Increasing Vibration Level	Damaged Rotor Assembly	If the level of vibration is permitted to rise further a shut-down will be initiated.
Low Lubricating Oil Level	Supply	Replenish the Oil in the respective Lubricating Oil Reservoir.
Decreasing Lubricating Oil Pressure	Pump, Filter or Supply Lines	Clean filter, check the Pump and Supply Lines for leakage.
Increasing Lubricating Oil Temperature	Cooler By-pass Valve, Thermostat	If the temperature is permitted to rise further a shut-down will be initiated.
Low Lubricating Pressure	Lubricating Oil Pump, Filter or Supply Lines	Clean Filter, check Pump and Supply Lines for leakage.
Fire Damper Closed	Mechanical fault on one of the Fire Dampers	Check Release Mechanism and the Melt Fuse.

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<u>Indications</u>	<u>Cause</u>	<u>Remedial Action/Notes</u>
High Temperature in Turbine or Generator Enclosure	Turbine Enclosure Ventilation Fans or Generator Cooler	Check the Ventilation Fans and the Air Filters.
Low Lubricating Oil Pressure	Lubricating Oil Filter	Change Oil flow to the alternative duplex Filter and service the Filter at the next shut-down.
High ΔP (Differential Pressure) Air Filter	Blocked Air Filter	Clean and inspect the Air Filter.