



STEAM TURBINE
FULL POWER AND
QUICK REVERSAL
GRADE SHEET
(rev.2)

FULL POWER POINT DEDUCTIONS STEAM TURBINE

ABILITY TO DEMONSTRATE FULL POWER	MAX DEDUCTION
Equipment Pre-reqs not met IAW OPNAVINST 9094.	1.0
Full power terminated due to equipment casualties/safety concerns.	.50
Instruments/gauges not calibrated or out of commission.	-.05
Deduction of .01 will be made for every percentage point below the required 100% Full Power (srpm/shp) achieved. HORSEPOWER/REQUIRED RPM	-.01 per percentage point below min. SHP/RPM
Any system not operated IAW EOP/design specification.	.25
COMPLIANCE WITH ENGINEERING PROCEDURES AND APPLICABLE SAFETY PRECAUTIONS	MAX SCORE .50
BOILERS	MAX DEDUCTION .25
Boiler operating out of design limits.	-.01
Indication of improper combustion.	-.01
Fuel oil header pressure too high.	-.01
Fuel oil supply pressure too low.	-.01
Boiler water level erratic.	-.01
Incorrect feed system pressure.	-.01
ABC/FWC requiring adjustments by operator during trial.	-.05
DFT above/below design parameters.	-.05
High boiler casing pressure.	-.05
Air casing leaks.	-.05
Excessive feedwater leaks.	-.01
PRIMARY PLANT (CVN ONLY)	MAX DEDUCTION .25
NI inoperative.	-.10
SGWLC Malfunction.	-.10
RCP or RCP Breaker inoperative.	-.10
Total Power inoperative.	-.10

MAIN ENGINE	MAX DEDUCTION .10
Vacuum not within design operating pressure.	-.01
Air Ejectors not within design operating pressures.	-.01
Excessive lube oil leakage per_NSTM 241.	-.05
Flooded sight flow indicator.	-.01
Casing_exterior lube oil leaks.	-.01
REDUCTION GEARS	MAX DEDUCTION .15
Excessive lube oil leakage per_NSTM 241.	-.01
Vent Fog Precipitator emitting oil vapor.	-.01
Casing_exterior lube oil leaks.	-.01
SHAFTING	MAX DEDUCTION .10
LSB sump level not within operating range.	-.01
Cooling Water Low Flow Alarm.	-.01
Excessive lube oil leakage per NSTM 244.	-.01
Excessive stern tube seal leakage.	-.01
Minor LSB lube oil leakage.	-.01
Cooling Water Piping leaks.	-.01
Cooling Water Strainer/Filter high delta P.	-.01

LUBE OIL SYSTEMS	MAX DEDUCTION .15
MRG Lube Oil Sequencing did not operate per design.	-.05
Excessive lube oil leakage per NSTM 231.	-.05
Lube Oil Strainer/filter high delta P.	-.01
Lube oil temp not maintained with parameter.	-.01
Lube oil leaks on MRG L/O Pumps.	-.01
Minor system lube oil leaks.	-.01
FUEL OIL SYSTEMS	MAX DEDUCTION .10
Fuel oil leaks on service pumps in excess of NSTM 503.	-.07
Fuel oil Filters/Strainers high delta P.	-.02
Minor oil leaks on system.	-.06
AUXILIARY EQUIPMENT	MAX DEDUCTION .15
Hot bearing.	-.01
Excessive lube oil leaks per NSTM 231.	-.05
Lube oil temperatures not maintained within parameters.	-.01
Excessive gland leakoff from feed/condensate systems pumps.	-.01
Excessive governor hunting.	-.01
Minor system lube oil leaks.	-.01
Erratic operation of steam reducers,	-.01

QUICK REVERSAL POINT DEDUCTIONS STEAM TURBINE

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Any system not operated IAW EOP/design specification.	.25
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BOILERS	MAX DEDUCTION .25
Boiler operating out of design limits.	-.01
Indication of improper combustion.	-.01
Fuel oil header pressure too high.	-.01
Fuel oil supply pressure too low.	-.01
Boiler water level erratic.	-.01
Incorrect feed system pressure.	-.01
ABC/FWC requiring adjustments by operator during trial.	-.05
DFT above/below design parameters.	-.05
High boiler casing pressure.	-.05
Air casing leaks.	-.05
Excessive feedwater leaks.	-.01
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MAIN ENGINE	MAX DEDUCTION .10
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Air Ejectors not within design operating pressures.	-.01
Excessive lube oil leakage per_NSTM 241.	-.05
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Casing_exterior lube oil leaks.	-.01
REDUCTION GEARS	MAX DEDUCTION .15
Excessive lube oil leakage per_NSTM 241.	-.01
Vent Fog Precipitator emitting oil vapor.	-.01
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SHAFTING	MAX DEDUCTION .10
LSB sump level not within operating range.	-.01
Cooling Water Low Flow Alarm.	-.01
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Excessive stern tube seal leakage.	-.01
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Lube oil leaks on MRG L/O Pumps.	-.01
Minor system lube oil leaks.	-.01
FUEL OIL SYSTEMS	MAX DEDUCTION .10
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Minor oil leaks on system.	-.06
AUXILIARY EQUIPMENT	MAX DEDUCTION .15
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