**CALCULATION REPORT OF INDICATOR CARDS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Drawing Date | | | | | | | - | | - | 19 | | | Position | | | | | | | | | - | | | | | |  | | | | | | | | | | | |
| Type of Indicator | | | | | | |  | |  | Scale | | | kg / cm2 - mm | | | | | | | |  | Average Speed | | | | | | Knt | | | | | | | | | | | |
| Cylinder | | | | | Pump  Mark | | I H P | | Pmax | Pcomp | | | M.E.P. (Pi) | | | | Exh. Temp | | | | Log Speed | | | | | | Knt | | | | | | | | | | | |
| Pyro | | | Hg | F O  TREAT | | Brand Name: | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| INDICATER CARDS | | 1 | | |  | |  | |  |  | | |  | | | |  | | |  | Rate | | | | /1000 | | | | | | | | | | | |
| 2 | | |  | |  | |  |  | | |  | | | |  | | |  |
| 3 | | |  | |  | |  |  | | |  | | | |  | | |  | FUEL OIL | | Bunker Date | | | |  | | | | | | | | | | | |
| 4 | | |  | |  | |  |  | | |  | | | |  | | |  | Supplier | | | |  | | | | | | | | | | | |
| 5 | | |  | |  | |  |  | | |  | | | |  | | |  | Grade | | | |  | | | | | | | | | | | |
| 6 | | |  | |  | |  |  | | |  | | | |  | | |  | S.G. | | | |  | | | | | | | | | | | |
| 7 | | |  | |  | |  |  | | |  | | | |  | | |  | Flash Point | | | | °C | | | | | | | | | | | |
| 8 | | |  | |  | |  |  | | |  | | | |  | | |  | Viscosity | | | |  | | | | | | | | | | | |
| 9 | | |  | |  | |  |  | | |  | | | |  | | |  | Res.Carbon | | | | % | | | | | | | | | | | |
| 10 | | |  | |  | |  |  | | |  | | | |  | | |  | Ash | | | | % | | | | | | | | | | | |
| 11 | | |  | |  | |  |  | | |  | | | |  | | |  | Pour Point | | | | °C | | | | | | | | | | | |
| 12 | | |  | |  | |  |  | | |  | | | |  | | |  | Water | | | | % | | | | | | | | | | | |
| Average | | | | |  | |  | |  |  | | |  | | | |  | | |  | Sulphur | | | | % | | | | | | | | | | | |
| Total I H P | | | | | | | | | | |  | OPERATING CONDITION  TURBO CHARGE WITH M E | |  | | | | | | | | | 1 | | | 2 | | | 3 | | 4 | | | | | | | | |
| Mech Efficiency | | | | | | | | % | | | Number | | | | | | | | |  | | |  | | |  | |  | | | | | | | | |
| Actual Brake Horse Power | | | | | | | |  | | | Revs Per Minute | | | | | | | | |  | | |  | | |  | |  | | | | | | | | |
| Out Put Ratio | | | | | | | | % | | | L O Press | | | | | | | | | kg/cm2 | | | kg/cm2 | | | kg/cm2 | | kg/cm2 | | | | | | | | |
| M E OPERATING CONDITION | Eng Room Temp | | | | | | | °C | | | T Charger | | | | | Gas Temp | | | | / | | °C | / | °C | | / | °C | / | | | °C | | | | | |
| Sea Water Temp | | | | | | | °C | | | Inlet/Outlet | | | | | Cool W Temp | | | | / | | °C | / | °C | | / | °C | / | | | °C | | | | | |
| F O Temp | | | | | | | °C | | | Inlet of Fore/Outlet of Aft/L O Temp | | | | | | | | | / | | °C | / | °C | | / | °C | / | | | °C | | | | | |
| F O Boost Press | | | | | | | kg/cm | | | Air Cooler In/Out Air Temp | | | | | | | | | / | | °C | / | °C | | / | °C | / | | | °C | | | | | |
| F O Handle Ind | | | | | | |  | | | Air Cooler Drop Press | | | | | | | | | mmAq | | | mmAq | | | mmAq | | mmAq | | | | | | | | |
| F O Pump Mark | | | | | | |  | | |  | | | | | | | | |  | | |  | | |  | |  | | | | | | | | |
| Governer Index | | | | | | |  | | |  | | | | | | | | |  | | |  | | |  | |  | | | | | | | | |
| Revs Per Minute | | | | | | |  | | | D G OPERATING CONDITION | | Serv Engine No | | | | | | | | | No: | | | FO Purifier | FO Temp | | | | | °C | | | | | | | |
| Scav Air Press | | | | | | | mm Hg  kg/cm2 | | | Voltage X Amp | | | | | | | | | X | | | Actual Flow | | | | | l/hr | | | | | | | |
| Load | | | | | | | | | % | | | Blow Interval | | | | | hr | | | Time/D | | | | |
| Cooling Water Temp | | Cylinder | Eng Inlet | | | | °C | | | LO Press | | | | | | | | | kg/cm2 | | | Circulate Flow | | | | | Ab | | | | 1/hr | | | hr/D |
| Outlet | | Max | | °C | | | LO Cooler In / (LO) Out Temp | | | | | | | | | / | | °C | LO Purifier | LO Temp | | | | | °C | | | | | | | |
| Min | | °C | | | Cylinder | Cool Water | Engine Inlet | | | | | | | °C | | | Actual Flow | | | | | l/hr | | | | | | | |
|  | |  | | | Outlet | |  | | | | |  | | | Blow Interval | | | | | hr | | | Time/D | | | | |
| Piston | Eng Inlet | | | | °C | | | Max | | | | | °C | | | Sludge/Actual  Flow | | | | | kg/ | | | | | 1 | | |
| Outlet | | Max | | °C | | | Min | | | | | °C | | |  | | | | | | | |
| Min | | °C | | |  | | | | |  | | | Exh Gas Dumper Open | | | | | | | % | | | | | | |
|  | |  | | | Exh Gas | | | | Max | | | | | °C | | |  | | | | | | |  | | | | | | |
| FO CONS AT SEA | ME | | Per 24 Hours | | | | | KT | | | Outlet Temp | | | | Min | | | | | °C | | | Draft (m) | | | | | | | F | | | | | A | |
| / Hr / BHP | | | | | gr | | | T Charger | T Charger In / Out Gas T | | | | | | | | / | | °C | Displacement | | | | | | |  | | | | | | |
| DG | | Per 24 Hours | | | | | KT | | | Rev Per Minute | | | | | | | |  | | | Weather | | | | | | |  | | | | | | |
| / Hr / KW | | | | | gr | | | Scav Air Press | | | | | | | | kg/cm2 | | | Wind Direc & Force | | | | | | | 🛆 | | | | | | |
| Donkey Boiler | | | | | | | KT/Day | | | CJC Filter Press | | | | | | | | kg/cm2 | | | State of Sea | | | | | | |  | | | | | | |
| Total | | | | | | | KT/Day | | | Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LO CONS | Cylinder Oil | | | | | | | 1/Day | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g/BHP/Hr | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System  Oil | | | | | ME | | 1/Day | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DG | | 1/Day | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stuffing Box Leak Oil | | | | | | | 1/Day | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **CHIEF ENGINEER** | **Name** | **Signature** | **Date** |