

# AIS TEST REPORT

|                         |                  |
|-------------------------|------------------|
| Name of ship/call sign: | SAGASLUND / LLMD |
| MMSI number:            | 258 271 000      |
| Port of registry:       | HALDEN           |
| IMO Number:             | 8633152          |
| Gross tonnage:          | 257              |
| Date keel laid:         | 1964             |

| 1. Installation details |  |        |
|-------------------------|--|--------|
|                         | Item   | Status |
| 1.1                     | AIS transponder type: FA-100   | OK     |
| 1.2                     | Type approval certificate  | OK     |
| 1.3                     | Initial installation configuration report on bord?                       | OK     |
| 1.4                     | Drawings provided? (Antenna-, AIS-arrangement and block diagram)         | OK     |
| 1.5                     | Main source of electrical power,   | OK     |
| 1.6                     | Emergency source of electrical power (generator or battery)              | OK     |
| 1.7                     | Capacity to be verified if the AIS is connected to a battery             | OK     |
| 1.8                     | Pilot plug near pilots operating position?                               | N/A    |
| 1.9                     | 120 V AC provided near pilot plug? (Panama and ST. Lawrence requirement) | N/A    |

| 2. AIS programming – Static information |  |    |
|---|--|----|
| 2.1                                     | MMSI number  | OK |
| 2.2                                     | IMO number   | OK |
| 2.3                                     | Radio call sign  | OK |
| 2.4                                     | Name of ship   | OK |
| 2.5                                     | Type of ship   | OK |
| 2.6                                     | Ship length and beam   | OK |
| 2.7                                     | Location of GPS antenna Internal : 3441-6 External : 10-25-3-4 | OK |

| 3. AIS programming – Dynamic information |   |     |
|--|---|-----|
| 3.1                                      | Ships position with accuracy and integrity status (Source: GNSS)    | OK  |
| 3.2                                      | Time in UTC (Source: GNSS)  | OK  |
| 3.3                                      | Course over ground (COG) (will fluctate at dockside) (Source: GNSS) | OK  |
| 3.4                                      | Speed over ground (SOG) (zero at dockside) (Source: GNSS)           | OK  |
| 3.5                                      | Heading (Source: Gyro)  | OK  |
| 3.6                                      | Navigational status   | OK  |
| 3.7                                      | Rate of turn, where available (ROT) (Source:Gyro or other)          | N/A |

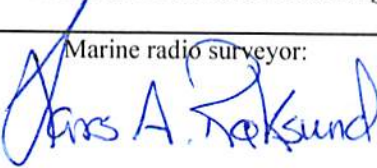

| 4. AIS programming – voyage related information |   |     |
|---|---|-----|
| 4.1   | Ships draught                               | OK  |
| 4.2   | Type of cargo                               | OK  |
| 4.3   | Destination and ETA (at masters discretion) | OK  |
| 4.4   | Route plan (optional)                       | N/A |
| 4.5   | Short safety-related messages               | OK  |

| 5. Performance test using FUTRONIC TEST BOX |  |    |
|---|--|----|
| 5.1   | Frequency measurements AIS ch, 1 and 2, GMDSS ch, 70 | OK |
| 5.2   | Power measurements AIS ch. 1 and 2, GMDSS ch. 70     | OK |
| 5.3   | Polling information ch. 70                           | OK |
| 5.4   | Read data from AIS                                   | OK |
| 5.5   | Send data to AIS                                     | OK |
| 5.6   | Check AIS response to "virtual vessels"              | OK |

| 6. "On air" performance test |   |    |
|------------------------------|---|----|
| 6.1                          | Check reception performance                         | OK |
| 6.2                          | Confirm reception of own signal from other ship/VTS | OK |
| 6.3                          | Polling by VTS/shore installation                   |    |

|  |
|--|
| <b>Electromagnetic interference from AIS observed to other installations?:</b> |
| None observed  |

|                 |
|-----------------|
| <b>Remarks:</b> |
| None            |
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|---|---|--|
| <b>The AIS has been tested according to IMO SN/Circ. 227 and MSC 74(69) annex 3</b>                           |   |  |
| Marine radio surveyor:<br> | Place and date:<br>Fredrikstad, 10.01.2020<br><small>Klikk her for å skrive inn tekst. ,<br/>         Klikk her for å skrive inn en dato.</small> | <br>Radio Surveyor<br>Authorized by the<br>Norwegian Maritime Authority |

"SAGASUND"

**ACR EPIRB TEST VERIFICATION REPORT**  
**RLB-32 (2774) Norway (258)**  
**Maritime Callsign: 279000**

**PASSED**

Protected Message.....A049970334D34D1  
Total Message.....FFFED05024CB819A69A68AA50010  
Bit Synchronization.....OK  
Frame Synchronization.....Test  
Message Format.....Short  
Protocol Flag.....User  
Country.....Norway (258)  
Message Protocol.....MARITIME  
Maritime Number.....279000  
EPIRB Number.....0  
Homing Facility.....121.5 MHz  
Error Correction Code.....OK

Sat2 Cat1 406 EPIRB, SN:28857  
Tested: 28. Feb. 2017, IP  
Next bat/serv: 03-2022



Nelkon AS  
Industriveien 11A  
2020 Skedsmokorset  
Tlf: 64 83 59 00 Fax: 64 83 59 01

28.02.2017 19:35:35


ACR Electronics, Inc.

We build quality products knowing they are used to save lives.



**Annual testing of satellite EPIRB**  
(IMO MSC/Circ. 1040/SOLAS reg. IV/15.9 in force on 1 July 2002)

|  |                                |            |           |            |
|--|--------------------------------|------------|-----------|------------|
| Name of ship/call sign   | SAGASLUND / LLMD               |            |           |            |
| EPIRB manufacturer   | ACR                            |            |           |            |
| Type of equipment  | RLB-32                         |            |           |            |
| Serial No  | 28857                          |            |           |            |
| Battery expire date  | 2022-03                        |            |           |            |
| Hydrostatic release expire date  | 2020-02                        |            |           |            |
| Maritime user protocol   | MMSI                           | Serialized | Call sign | Inmarsat E |
|  | X                              |            |           |            |
| Country code (MMSI no.)  | 258 279 000 (0)                |            |           |            |
| HEX code   | A04997.0334D34D1               |            |           |            |
| Frequency measured (kHz)   | 406027,2 KHz                   |            |           |            |
| Position on mounting   | OK                             |            |           |            |
| Mechanical conditions  | OK                             |            |           |            |
| Marking of id etc. outside equipment   | OK                             |            |           |            |
| Attached lanyard on equipment  | OK                             |            |           |            |
| Remounting after test  | OK                             |            |           |            |
| Operating instruction available  | OK                             |            |           |            |
| Next maintenance date (if applicable, ref MSC/Circ 1039 and Norwegian regulation in force) | 2022-03                        |            |           |            |
| Result of test   | OK                             |            |           |            |
| Test equipment used  | Futronic MK II - GMDSS Testbox |            |           |            |

|   |  |
|---|--|
| <p>Fredrikstad, 10.01.2020<br/>Klikk her for å skrive inn en dato.</p> <p>Place and date of test</p> <p><i>Lars A. Røksund</i></p> <p>Signature of Radio Surveyor<br/>Lars A. Røksund</p> | <p>Stamp of issuing authority/approved enterprising</p> <p align="center"> <br/> Radio Surveyor<br/>Authorized by the<br/>Norwegian Maritime Authority </p> |
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