

## Load Test Report

Production Order: PO05986

Name: Generatoren Nederland B.V.

Engineer: B&N

Test Bay: G.Pol

### Supply

Model: LG3V180LE

Rating: 180kVA 400V 0,80cosØ 50Hz 144kW 3Ph 4Wire

### Performance Class

| ISO 8528 G2 | Steady State | Transient Increase | Transient Decrease | Recovery Time | Tolerance Band |
|-------------|--------------|--------------------|--------------------|---------------|----------------|
| Voltage:    | 2,5%         | 20,0%              | 25,0%              | 6s            | 5,0%           |
| Frequency:  | 1,5%         | 10,0%              | 12,0%              | 5s            | 2,0%           |

### Engine

Make: Volvo

Serial No.: 5313031337

Governor: Elektronisch

Type No.: TAD732GE

Speed: 1500

Battery GND: NEG

### Alternator

Make: Leroy Somer

Serial No.: 40765300017

Phase Order: L1-L2-L3

Type No.: TAL044M

AVR: R180

Droop Kit: Yes

### Panel

Make: B&N

Drawing No.: E230921

DC Volts: 24

### Test Summary

| Step | Elapsed Time<br>h:mm:ss | Power<br>% kW | Power Factor<br>cosØ | Step Duration<br>h:mm:ss | Power<br>kVA | Power Factor<br>cosØ | Voltage<br>V |
|------|-------------------------|---------------|----------------------|--------------------------|--------------|----------------------|--------------|
| 1    | 00:00:01                | 0,0           | 1,00                 | 00:00:16                 | 0            | 1,00                 | 397,8        |
| 2    | 00:00:18                | 20,0          | 1,00                 | 00:01:01                 | 29           | 1,00                 | 397,4        |
| 3    | 00:01:19                | 40,0          | 1,00                 | 00:01:01                 | 58           | 1,00                 | 397,2        |
| 4    | 00:02:20                | 60,0          | 1,00                 | 00:01:02                 | 88           | 1,00                 | 396,7        |
| 5    | 00:03:21                | 80,0          | 1,00                 | 00:01:01                 | 114          | 1,00                 | 396,5        |
| 6    | 00:04:22                | 100,0         | 1,00                 | 00:01:01                 | 145          | 1,00                 | 396,0        |
| 7    | 00:05:23                | 110,0         | 1,00                 | 00:00:31                 | 158          | 1,00                 | 396,2        |
| 8    | 00:05:54                | 50,0          | 1,00                 | 00:00:31                 | 71           | 1,00                 | 397,0        |
| 9    | 00:06:26                | 0,0           | 1,00                 | 00:00:31                 | 0            | 1,00                 | 397,8        |
| 10   | 00:06:56                | 40,0          | 1,00                 | 00:00:31                 | 58           | 1,00                 | 397,0        |
| 11   | 00:07:27                | 0,0           | 1,00                 | 00:00:31                 | 0            | 1,00                 | 397,8        |
| 12   | 00:07:59                | 50,0          | 1,00                 | 00:00:31                 | 73           | 1,00                 | 396,7        |
| 13   | 00:08:29                | 0,0           | 1,00                 | 00:00:31                 | 0            | 1,00                 | 397,7        |
| 14   | 00:09:00                | 60,0          | 1,00                 | 00:00:31                 | 89           | 1,00                 | 397,0        |
| 15   | 00:09:32                | 0,0           | 1,00                 | 00:00:23                 | 0            | 1,00                 | 397,7        |