

Failed O2 Sensors

2 messages

Josh Powell <Josh.Powell@jfdglobal.com>  
To: "sales@vandagraph.co.uk" <sales@vandagraph.co.uk>

Good morning Vandagraph team,

I'm Josh the lead engineer maintaining the diving equipment in Australia for the commonwealth of Australia a separate entity from JFD UK. We recently received a batch of O2 sensors c cables which are stiff and feel like they are going to snap, there is also corrosion on the back of the sensor and maybe on the front as per the attached images. We've also had a few sei you ever experienced or witnessed this before?

| 'Dive' testing |                                   |                                   |      |                                 |      |                                   |           |                                   |           |
|----------------|-----------------------------------|-----------------------------------|------|---------------------------------|------|-----------------------------------|-----------|-----------------------------------|-----------|
| Cell serial #  | 0 bar gauge, 100% O2              | 0.5 bar gauge, 100% O2            |      | 1.0 bar gauge, 100% O2          |      | 1.3 bar gauge, 100% O2            |           | 1.5 bar gauge, 100% O2            |           |
|                | PPO <sub>2</sub><br>1 ± 0.005 bar | PPO <sub>2</sub><br>1.5 ± 0.1 bar | mV   | PPO <sub>2</sub><br>2 ± 0.1 bar | mV   | PPO <sub>2</sub><br>2.3 ± 0.1 bar | mV        | PPO <sub>2</sub><br>2.5 ± 0.1 bar | mV        |
| 105258         | 0.998                             | 1.483                             | 37.1 | 1.984                           | 48.9 | 2.233                             | 55.9      | 2.419                             | 60.5      |
| 105260         | 0.999                             | 1.484                             | 37.1 | 1.953                           | 48.8 | 2.229                             | 55.7      | 2.410                             | 60.3      |
| 105261         | 1.000                             | 1.487                             | 37.2 | 1.961                           | 49.0 | 2.242                             | 56.1      | 2.429                             | 60.7      |
| 105246         | 0.998                             | 1.475                             | 36.9 | 1.953                           | 48.9 | 2.236/2.240                       | 56.0/55.9 | 2.402/2.408                       | 60.2/60.3 |
| 105250         | 0.998                             | 1.477                             | 37.0 | 1.958                           | 49.0 | 2.246/2.245                       | 56.2/56.1 | 2.418/2.421                       | 60.5/60.6 |
| 105251         | 0.999                             | 1.477                             | 37.0 | 1.958                           | 49.0 | 2.246/2.244                       | 56.2/56.0 | 2.418/2.422                       | 60.5/60.6 |
| 105249         | 0.998                             | 1.487                             | 37.3 | 1.973                           | 49.4 | 2.260/2.262                       | 56.6/56.5 | 2.442/2.454                       | 60.9/61.0 |
| 105248         | 0.998                             | 1.481                             | 37.1 | 1.959                           | 49.0 | 2.240/2.238                       | 56.0/55.9 | 2.412/2.424                       | 60.2/60.3 |
| 105245         | 0.998                             | 1.484                             | 37.2 | 1.966                           | 49.2 | 2.250/2.250                       | 56.4/56.2 | 2.427/2.440                       | 60.6/60.7 |
| 105247         | 0.998                             | 1.484                             | 37.1 | 1.966                           | 49.2 | 2.249/2.250                       | 56.3/56.2 | 2.421/2.429                       | 60.6/60.7 |
| 105243         | 0.997                             | 1.483                             | 37.1 | 1.963                           | 49.1 | 2.243/2.244                       | 56.1/56.0 | 2.416/2.423                       | 60.6/60.7 |
| 105252         | 0.998                             | 1.483                             | 37.1 | 1.963                           | 49.1 | 2.240/2.242                       | 56.1/56.0 | 2.411/2.418                       | 60.5/60.6 |

Thanks,  
  
Josh



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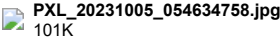
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3 attachments

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Ryan Swaine <ryan.swaine@vandagraphst.com>  
Draft To: Josh Powell <Josh.Powell@jfdglobal.com>

5 October 2023 at 11:31

Hi Josh

I am sorry to hear that you have had some problems with the sensors.

I have opened a returns file for the faulty sensors, please can you send them to us and add the following reference to the parcel: SRS68593

Ryan Swaine  
VANDAGRAPH SENSOR TECHNOLOGIES  
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Tel: +44 (0)1535 634900  
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16 attachments



image001.png  
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image877997.png  
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image917563.png  
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image990687.png  
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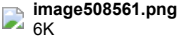


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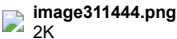


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