



|                       |              |                           |                    |
|-----------------------|--------------|---------------------------|--------------------|
| <b>Vessel:</b>        | APLATFORM    | <b>Equipment:</b>         | BOOM WINCH GEARBOX |
| <b>Client:</b>        | EXAMPLE LTD. | <b>Manufacturer:</b>      |                    |
| <b>Report Number:</b> | LQS1X-00XXX  | <b>Oil Grade:</b>         | EXAMPLE-GEAR OIL   |
|                       |              | <b>Oil Volume litres:</b> |                    |

| LQS Reference      | Current     |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|-------------|
|                    | 2013XXXX8   | 201XXXXX1   | 201XXXXX7   | 20XXXXXX    | 20XXXXX715  |
| Sampling Point     | DRAIN POINT | DRAIN POINT | DRAIN POINT | DRAIN POINT | DRAIN POINT |
| Date Sampled       | 17/12/2013  | 28/11/2013  | 12/11/2013  | 30/10/2013  | 22/10/2013  |
| Date Dispatched    | 20/12/2013  | 06/12/2013  | 14/11/2013  | 13/11/2013  | 29/10/2013  |
| Dispatched From    | ABERDEEN    | ABERDEEN    | ABERDEEN    | ABERDEEN    | ABERDEEN    |
| Unit Service Hours | -           | -           | -           | -           | -           |
| Oil Service Hours  | -           | -           | -           | -           | -           |
| Top Up Volume      | -           | -           | -           | -           | -           |

| Analysis Name   | New oil | Units              | 2013XXXX8      | 201XXXXX1 | 201XXXXX7  | 20XXXXXXX  | 20XXXXX15 |
|-----------------|---------|--------------------|----------------|-----------|------------|------------|-----------|
| Colour          |         | -                  | AMBER          | AMBER     | AMBER      | AMBER      | AMBER     |
| Appearance      |         |                    | HAZY + TRC IMP | CLEAR     | TRC IMPURS | TRC IMPURS | CLEAR     |
| Visc at 40°C    | 220.00  | mm <sup>2</sup> /s | 218.6          | 219.7     | 218.3      | 220.6      | 220.0     |
| Water Content   | 0.05    | %                  | <0.05          | <0.05     | <0.05      | <0.05      | <0.05     |
| Insolubles      | 0.01    | % W                | <0.01          | <0.01     | <0.01      | <0.01      | <0.01     |
| Acid No.        | 0.60    | mgKOH/g            | 0.35           | 0.35      | 0.35       | 0.60       | 0.20      |
| Sodium          |         | ppm                | 7              | 5         | 3          | 5          | 5         |
| Silicon         |         | ppm                | <1             | <1        | <1         | <1         | <1        |
| Magnesium       |         | ppm                | <1             | <1        | <1         | 1          | <1        |
| Zinc            | 5       | ppm                | 9              | 13        | 13         | 7          | 12        |
| Calcium         | 10      | ppm                | 36             | 18        | 41         | 11         | 19        |
| Phosphorus      | 210     | ppm                | 280            | 271       | 266        | 290        | 213       |
| Aluminium       |         | ppm                | <1             | <1        | <1         | <1         | <1        |
| Chromium        |         | ppm                | <1             | <1        | <1         | <1         | <1        |
| Copper          |         | ppm                | <1             | <1        | <1         | <1         | <1        |
| Iron            |         | ppm                | 2              | 2         | 3          | <1         | 2         |
| Lead            |         | ppm                | <1             | <1        | <1         | <1         | <1        |
| Nickel          |         | ppm                | <1             | <1        | <1         | <1         | <1        |
| Tin             |         | ppm                | <1             | <1        | <1         | <1         | <1        |
| PQ Index        |         | PQ                 | 1              | 0         | 0          | 0          | 4         |
| Oil/Unit Rating |         |                    | A/A            | A/A       | A/A        | A/A        | A/A       |

Rating key: A = Suitable for further service B = Alert Levels C = Remedial action required D = Unsuitable Charge

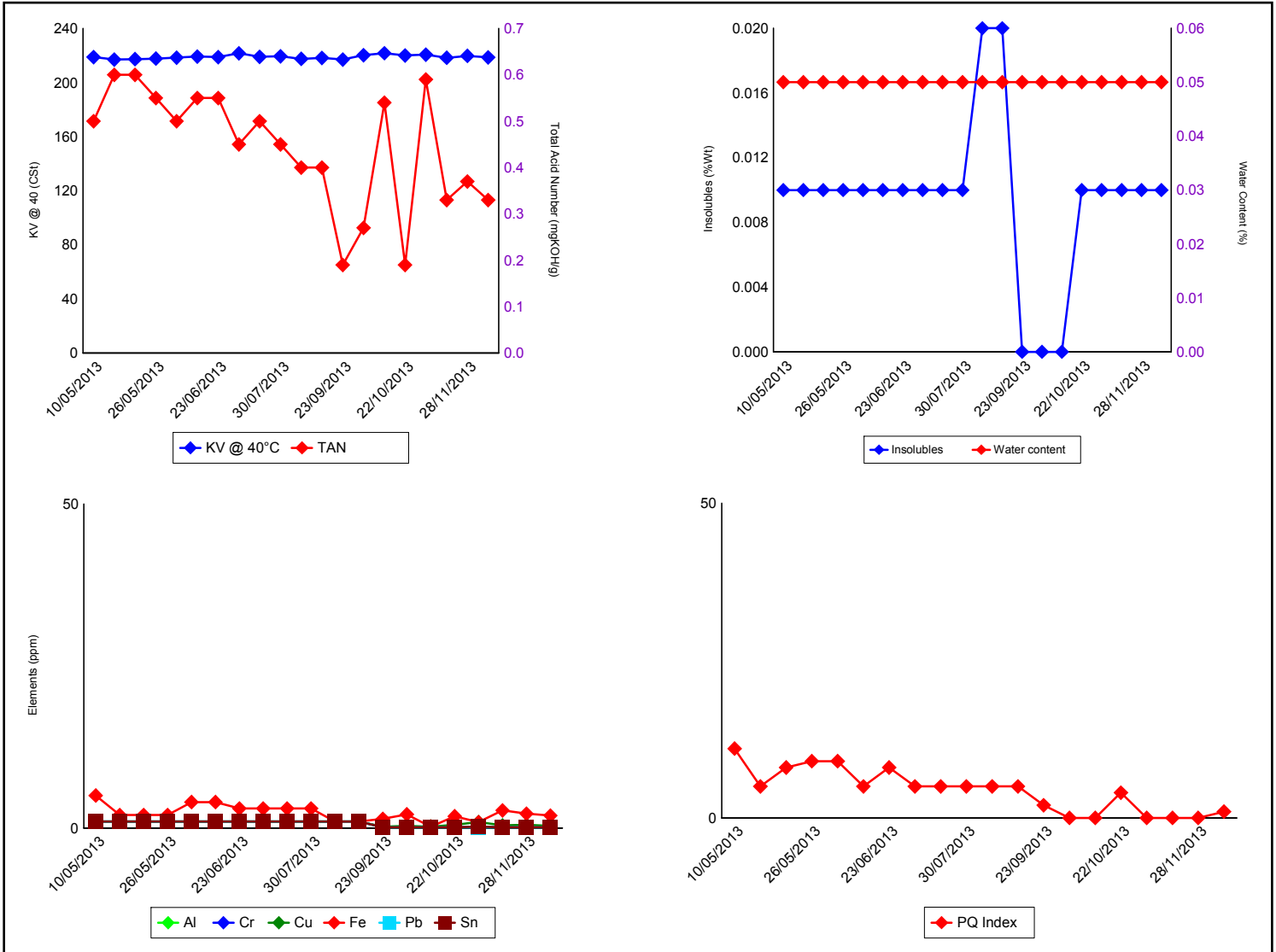
Next Sample: DD/MM/YYYY

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Report Date: DD/MM/YYYY



201XX012345: EXAMPLE LTD. - A PLATFORM - BOOM WINCH GEARBOX



Comments on the Current Sample:

**OIL RATING:** The sample contains an acceptable level of water and insolubles, the viscosity is in line with the expected new oil value and there is little evidence of oxidation.

**UNIT RATING:** The wear and contaminant element analysis shows these to be at acceptable levels. There is little evidence to suggest any undue wear of the equipment components at present. The element phosphorus is a lubricant additive.

The oil is considered suitable for continued service; no action required.

This report is issued in support of the requirements of LOLER SI 1998 No.2307 and its associated technical guidance documents (HSG 221) for 'annual certification' of cranes operating in the offshore environment in the UK sector.

