

MAN PrimeServ
turbomachinery



PrimeServLab[®]

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Oil analyses for compressors and turbines

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Operating oil used in turbines and compressors is subject to extreme stresses. Our oil analyses support you in determining the oil quality and wearing behavior of your machinery. To retain its capacity as lubricating oil, seal oil or control oil, the oil quality has to be maintained at the required level.

The operating oil is a central design element of your turbine or compressor, the specific requirements being defined upon your specific equipment, operating conditions and ambient conditions.

With PrimeServLab® we provide competent oil analysis services for your turbomachinery equipment. As the OEM of your turbine or compressor, we reliably evaluate and interpret the oil parameters, work out cause-effect relationships and provide targeted recommendations for maintenance and oil care.

With PrimeServLab® we support you in optimizing your oil change intervals, protecting your equipment from premature wear and therefore to enhance the profitability of your business.

Oil monitoring

The oil used in turbines and compressors is subject to extreme stresses due to high mechanical loads and temperatures as well as contaminations by the process medium and corrosion products. To retain its capacity as lubricating oil, seal oil or control oil, the oil quality has to be maintained at the required level. Periodic oil analyses allow precise conclusions regarding the operating oil quality and help to analyze the condition of the equipment.

To monitor the oil quality, we provide a standardized oil analysis based on the MAN Energy Solutions oil specification and the recommendations of VGB-M 416 Part A. The oil is analyzed by one of our partner laboratories and afterwards individually evaluated and interpreted by the technical experts of the MAN PrimeServ consulting team with particular attention being paid to the specific oil requirements, the operating conditions and the machine history. The results are summarized with specific recommendations for maintenance and oil care in a meaningful report allowing easy comparison of parameters over time.

Specialized analyses

In addition to periodic oil monitoring, we provide specialized oil analysis services via its material testing laboratory in Oberhausen. The services include additional investigations in the event of significant deviations of oil parameters, detailed tribological and root-cause analyses as well as the qualification of new oil types.

The analysis results are jointly evaluated by the experts of the MAN PrimeServ consulting team and the material technology department taking into account potential influencing factors, such as the machine history and the operating conditions.

Benefits

MAN PrimeServ oil analysis services support you in reliably determining the operating oil quality and the wearing behavior of your turbine or compressor:

- Individual evaluation and interpretation of parameters
- Protection of machine from premature wear
- Protection of oil system against corrosion and deposits
- Optimum adjustment of oil change intervals

Comprehensive maintenance solutions

MAN PrimeServ provides comprehensive maintenance concepts coordinated to your specific requirements. Please contact us for further information.

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