



Interesting Information List

Previous Newsletters

<http://bit.ly/CMLnPre>

Reliability & CM Articles

- Getting Vibration Data Collection Right
<http://bit.ly/ba6ut8>
- How many lines of resolution (spectrums) – Mobius
<http://bit.ly/9WpbOB>
- How to Maximize Hydraulic Cylinder Service Life - Brendan Casey
<http://bit.ly/cmUgCw>
- Maximize your Equipment Life by Determining Failure Modes - Terry Harris
<http://bit.ly/bWhaBW>
- Vessel Manways, Handholes Pose Special Sealing Challenges - Dave Burgess, Garlock Sealing
<http://bit.ly/8ZGqUd>
- High Speed IR Cameras Enable Demanding Thermal Imaging Apps – Electrophysics
<http://bit.ly/aemFyP>
- Bearing Handling “Tool Box Training” – SKF
<http://bit.ly/ahyvem>
- Correct Sensor Mounting for High Frequency Detection or Demodulation to Monitor Bearings <http://bit.ly/cemvGL>
- Air Compressor CM Case Study Joy TA-85 centrifugal - Dave Williamson
<http://bit.ly/9Y18U4>
- Hydrostatic Balance in Hydraulic Component Design - Brendan Casey
<http://bit.ly/dcJzWa>
- Failure Modes of Journal and Plain Metal Bearings – SKF
<http://bit.ly/a0ErmJ>
- Visual Inspection - Don't Forget the Walk Around – IRISS <http://bit.ly/dng7R6>
- Pre-alignment Checks - Stan Riddle – VibrAlign
<http://bit.ly/b9FgDO>
- Answer 10 questions to attain reliability at the lowest cost
<http://bit.ly/abqMSU>
- Inspecting Chain Drives with Ultrasound
<http://bit.ly/bn0WSU>
- Increase Safety & Reliability with Integrative PdM by Dale P. Smith <http://bit.ly/aAea2Q>
- Permanently Mounted Sensors Key to Gathering Quality Vibration Data - Tim Hunt and Tom LaRocque
<http://bit.ly/amSWIp>

Condition Monitoring Top 10 Biggest Bang for Your Buck

Monitoring the condition of equipment is an area that has a diverse range of options. Also condition monitoring people often get involved with a wide range of activities.

- Where should you spend your time to get the best result for your business?
- What CM techniques will give the highest payback?

The answers will vary for each business but a good way to make sure you are thinking of more than just the standard vibration and oil analysis is to have a good top 10 list of CM options. This article is not about CM hardware or software or who you should hire. It is about the knowledge that you need to develop in your plant people to make best use of both the simple and complex Condition Monitoring and Reliability techniques that are well proven winners.

Click on link for full article <http://bit.ly/c4s8vo>



Lubricant Colour Codes

I ran an IMRt NSW Common Interest Workgroup meeting in June this year on

Lubrication Management and one of the most valuable issues members wanted to share with each other was on Lubricant Colour Coding.

Colour coding is important to ensure that the right lube goes into the right systems. It sounds like a simple thing to achieve but it's not. OneSteel indicated that its performance in maintaining the right oil in the right system has improved significantly because of their colour coding initiatives. OneSteel have a label colour and shape system for each type of oil (eg standard gear oil). They also have information on the label that indicates what particular viscosity of the oil for that standard oil type. These labels, tags and stickers go on fill points, dispensing containers and the storage containers. Rio Tinto and others indicated that they utilise the colour tagging system sold by Oil Safe or Trico for their oils and greases as you can buy standard tags, stickers and grease fittings to enable colour coding supply points, fill points and dispensing containers.

It was felt that a good colour coding system also helps rationalisation of lubricants, which reduces complexity and helps dramatically with reducing the likelihood of getting the wrong lube in the wrong compartment. The consensus was there should be a standard for lubricant label colour, shape and information provided that is independent from particular suppliers.

If you have any interest in **Lube Colour Coding Labelling Standards**, please contact Andrew Keene from OneSteel on keenea@onesteel.com.



Lubrication Related Articles

- Strategies to Extend Drain Intervals and Reduce Lubricant Consumption - Jim Fitch – Noria <http://bit.ly/ahNlj1>
- The Agony of Diesel Engine Oil Particle Counts - Jim Fitch, Noria <http://bit.ly/czl6QD>
- In-Situ Filtration and Filtration of Stored Lubricants - Paul Dufresne <http://bit.ly/bGJj5z>
- Creating a lean but effective oil analysis program - Dave Lander, Clarion Boards <http://bit.ly/aCusD5>
- Strategic Oil Analysis: Systems, tools and tactics - M Johnson & M Spurlock <http://bit.ly/aWsHfg>
- Selecting the Right Industrial Gear Oil <http://bit.ly/92i7UF>
- Estimating Turbine Oil Oxidation <http://bit.ly/bChWe7>
- Whats New in Automatic Lubricators – MemLub <http://bit.ly/can5j2>
- Why Maintain Oil Cleanliness? -Doug McBride, Temple-Inland <http://bit.ly/c5Bpdj>
- Checklist for Selecting Oil Filter Housings – Noria <http://bit.ly/a1smg9>
- Monitor Water-In-Oil with Visual Crackle Test – Noria <http://bit.ly/9pz9fG>
- The Blotter Spot Method Gerard Trujillo <http://bit.ly/a87eYQ>
- How Do You Know if You're Using the Right Hydraulic Oil? - Stephen Sumerlin <http://bit.ly/bjQwhi>

Electrical Articles

- Using Predictive Maint. (Pdm) Techniques On Your Motors And Drives using Ultrasound Commtest <http://bit.ly/cF6w0U>
- Thermal Imaging plus Visual Inspection Windows <http://bit.ly/d3aYyj>
- Case Study - Broken Rotor Bars in 2 Pole Motor <http://bit.ly/c53wsd>
- Transformer CM - Partial Discharge detected by Acoustic Emission <http://bit.ly/8YyrWo>
- Guidelines to a Good Motor Repair - Kitt Butler <http://bit.ly/9WleJC>
- Solving problems after plant energy VFD & Lighting upgrades – Fluke <http://bit.ly/dnsxFv>
- Why you need world-class motor mgt and maint. - Noah Bethel, PdMA <http://bit.ly/b15yEZ>
- Improved Method for Arc Flash Hazard Analysis - Wilkins, Allison and Lang <http://bit.ly/dqzml1>

Management Articles

- What Motivates People? Fantastic - YouTube Video <http://bit.ly/8Xl2Dc>

How do I set the frequency on my CM and inspections? Is there a standard?

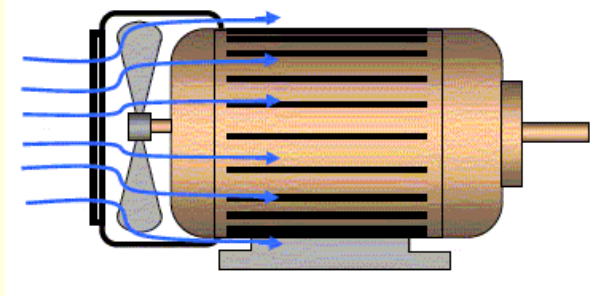
Article by Tor Idhammar

People often struggle with setting or changing inspection and monitoring frequencies and for good reason. Expecting a standard simple answer to these questions puts you at risk of just doing what others have done and not taking into account your equipments specific circumstance. Tor gives a relatively simple and practical view into answering these questions without going into any deep theory.

Click on link to see this article <http://bit.ly/aWdEq>

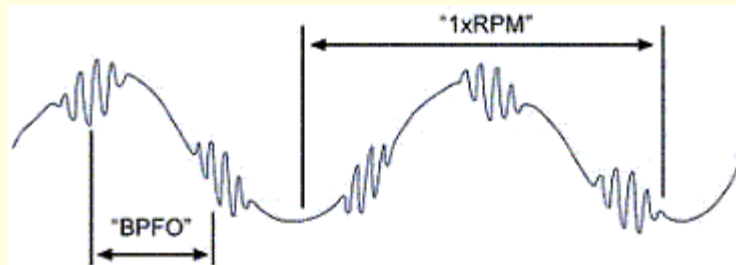
Skills & Practices Flyers – Provided by Rod Bennett - Silcar/ Bluescope

Listing of all Skills & Practices Flyers - http://bit.ly/S_P_Flyer_list



Electric Motor Cooling (#66) <http://bit.ly/aLzxO2>

Understanding Vibration Demodulation By Dennis Shreve



Vibration Demodulation sounds complicated but it's not. With todays vibration data collector it's easy to use and should be an mandatory technique for monitoring of bearing and other components where patterns of friction and impacts give vital information about equipment condition. You might recognise Vibration Demodulation by the name it is called by instrument suppliers such as Spike Energy Spectrum, Peak View, Vibration Enveloping, etc. It always helps to understand what the vibration instrument is doing to give you its information.

Click on link for this short article <http://bit.ly/auBnx4>

2010 Condition Monitoring & Lubrication Forum

Hope you can be a part of our forum this year in Sydney. It is designed for anyone interested in Reliability, CM or Lubrication.

Theme – “Building a Solid Foundation for Reliability”.

Location – Royal Randwick Racecourse – Sydney (same as last year)

Free Pre-Forum Workshops - Monday 18th Oct More Info <http://bit.ly/CMlpre>
Lube Fundamentals, Thermal Imaging, PM Optimisation, Vibration Analysis, Lube Contamination Control, Ultrasonic Monitoring and Laser Alignment. ½ day each

Main Forum Days - Tues & Wed 19th & 20th October



- Understanding our use and perceptions of time - YouTube Video <http://bit.ly/aFaAxp>
- Contract Maintenance or Not? - Christer Idhammer, IDCON <http://bit.ly/bqEbaW>
- Shutdowns & Turnarounds from the Contractor's Perspective - Tom Walker, Lakeview Enterprise <http://bit.ly/aMDKrw>
- The Business Process Review - Redrawing Your CMMS Roadmap - John Reeve, Cohesive Solutions <http://bit.ly/cLlvwM>
- Thoughts on Implementing Organizational Change - Keith Mobley <http://bit.ly/ah55T9>
- Active Supervision – Joel Levitt <http://bit.ly/dfxD5O>
- Standard work: Basis for continuous improvement - By Mark Steward <http://bit.ly/bD4J93>
- How to build trust and obtain plant-floor buy-in - By Geoff Generalovic <http://bit.ly/b4MFUI>
- 8 common misperceptions of management of change - Sam McNair <http://bit.ly/bpqeFf>
- August edition of Engineering Maintenance Solutions Magazine <http://bit.ly/bjrYRZ>
- Everyone can help improve safety training - J. J. Keller & Ass <http://bit.ly/aCjCIF>

Humour & General Interest

UTube Video – Automation - Railway Sleeper Change-out
<http://bit.ly/anvsCx>

Carey Repasz CMRP is our **International Keynote Speaker**
Reliability, Lubrication, CM Case Study and Technical stream
34 presentations to suit all interested. Discussion group on topic of your choice.
 Main forum **Presentation Program** <http://bit.ly/CMImProg>
 Lubrication & Reliability Streams – Speakers & Presentations <http://bit.ly/CMILuRe>
 CM Case Study & Tech Streams – Speakers & Presentations <http://bit.ly/CMICsT>

Post Forum Workshops Thur & Fri **21st & 22nd October** – (at Coogee Bay Hotel)

Lube Management with Wayne Dearness

Vibration Analysis ISO Cat II Refresher with Jason Tranter

2 day Workshops – Details - <http://bit.ly/CMIPws>

CMSkills – ISO Vibration Analysis Cat II Certification Exams

CMSkills and AINDT plan to be running the first ISO Standard Vibration Analysis Cat II Certification Exams to the new CMSkills Standard. CMSkills is Australia's new "Condition Monitoring Certification Board" that is made up of influential and respected Condition Monitoring people representing business, CM suppliers and CM service providers. These exams are for VA people interested in upgrading their Certification to the new JAS-ANZ approved standard and for experienced VA people who want to gain ISO Cat II Certification. If you have confidence in your VA technical knowledge you can take the Monday afternoon exam. If you want a refresher do the VA 2 day workshop with Jason Tranter and take the exam on Friday afternoon. To find out more about CMSkills and the CM Certification Board there is some more detail on the CM and Lube Forum website. Register your interest in taking the VA certification exams in the CM and Lube Forum online registration. Exams Monday 18th Afternoon & Friday 22nd Oct.



Download Forum Brochure <http://bit.ly/CMIFBr>

Forum Registration <https://www.sirftr.com.au/booking.php?eventid=577>

Prices - SIRF Members \$1,150 - General \$1,875

2 or more attendees - SIRF Members \$920 - General \$1,500

Post Conference Workshops - SIRF Members \$1,150 - General \$1,600

