

Tango

Oilography™ Interface

Condition Entry to Oilography

Condition Assessment Assignment Info
 Task Name Oil Route 2 Elevator, Meal Load Out
 Technology Oil
 Start Date Aug-20-2008
 Close Date Aug-25-2008

Condition Entry Details
 Technology Oil
 Analyst
 Severity High (Action needed within 30 days)
 Entry Date Aug-25-2008
 Work Request
 Work Order 323945

Suspected Faults [Add]

Fault	Fault Group
<input checked="" type="checkbox"/> Internally generated particles (wear debris in the bulk fluid)	Oil Analysis-Contamination

Recommended Action [Library]
 If there is an in-line filter that can be changed do so, making sure that the replacement is rated b3=200 or better. If portable filtration is available, ensure the filter used is rated b3=200 or better and that 7-10 times the volume of the hydraulic system passes through it, preferably during a period of high usage. Move forward with the recommendations made by vibration as a failed

Comments
 The particle still in al...

Integrated Condition Report

Entry	Severity	Technology	Faults
Oct-28-2008 By: John Johnson	Low	Oil	

Location: Crush Plant » Preparation Area » 20589 Conveyor, Drag, West Flaker Discharge Drag, » Gearbox (Locate in Tree)
Diagram(s): 20589 W Flaker Discharge Drag

Entry: 210
Severity: High
Technology: 40562 Conveyor, Drag, Sifter Feed Crossover
Faults: Motor Extr. MCC Vibration 150 5 of 5 • 339085

Recommendations: Refer to sample date: 10/06/08. Drain, Thoroughly flush, and Re-Lubricate. Sample as scheduled to monitor cleanliness and Iron level.

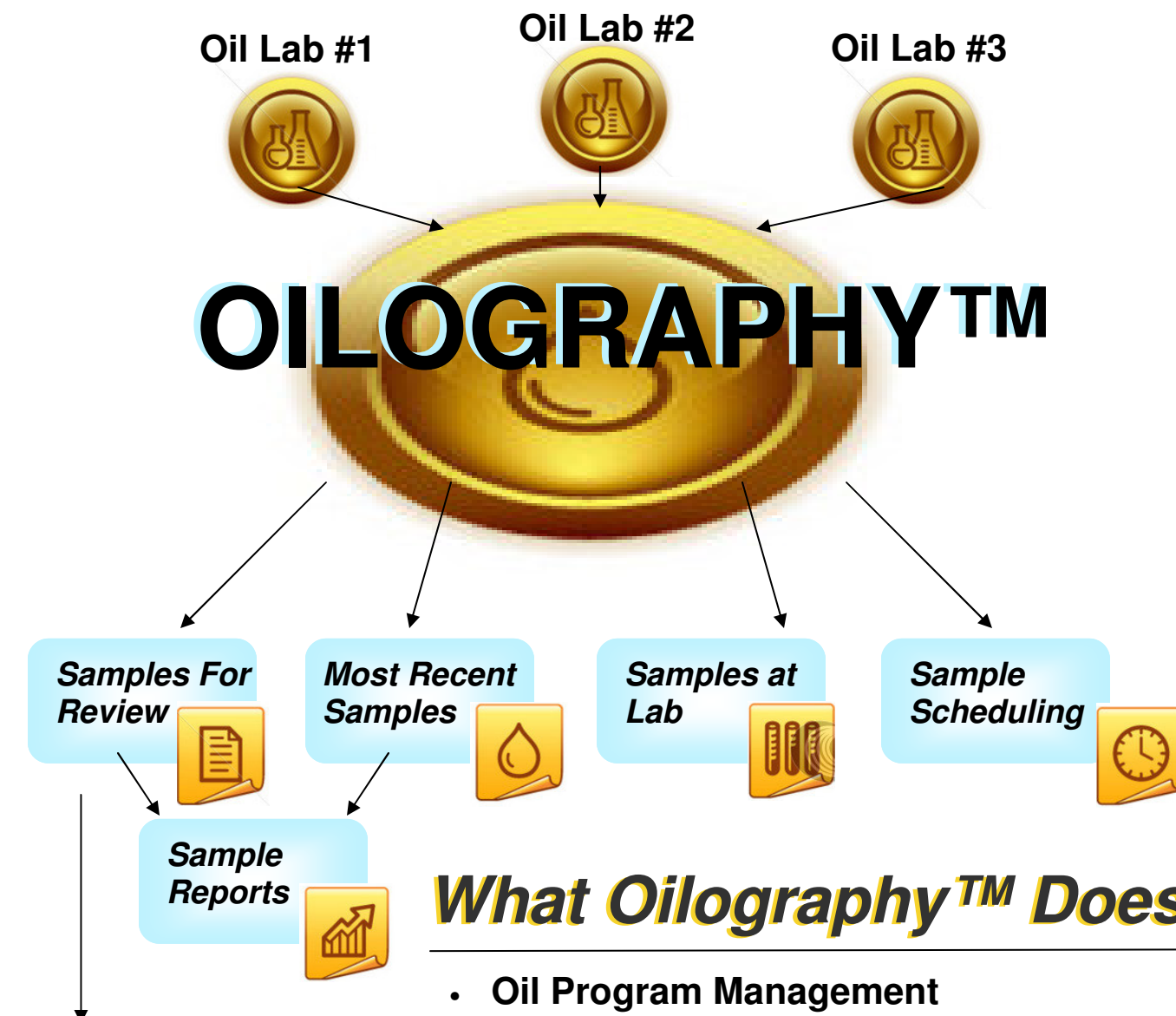
Comments: The Target ISO codes for a Gearbox is 22/20/18. The ISO codes for this sample are 24/20/13. The iron has risen sharply in the last 6 months. This could be an indication of a rapid wear condition or damaged parts. Could be due to periodic low level water contamination. All other results are consistent with established history and within expected ranges for this type of equipment.

Linked Documents:
[Particle count chart](#)
[Particle count data](#)
[Wear metals chart](#)
[Work Order Request: As](#)
[Work Order Number: As](#)
[Details Report View](#)
[Status Comments](#)
[Add Status Comment](#)
[Linked document thumbnails](#)



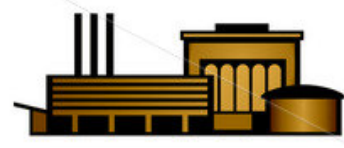
24/7 Systems, Inc. 1242 Topside Road Louisville, TN 37777 865-681-2627
 www.tf7.com

Oil Sample Analysis Program Management Package



What Oilography™ Does ...

- Oil Program Management
- Interactive Analysis Reports
- Interface to CMMS/EAM System
- Facilitates consulting and collaboration
- User defined alarm limits
- Maintains schedule of samples
- Print sample labels
- Integrates into the Tango™ Reliability Information Management Web Service



Sample Reports

Control Panel Site Filter: Site 22, Demo Data (234)

Most Recent | Critical Sample Points | Samples At Lab | Sample Points & Scheduling

Actions	Location Desc	Equipment Desc	Status	Sampled	Completed	Lab Sample Code	Company	Site	Review Status
	2-N-13CO-B-IBB - 2B SECONDARY CRUSHER	2B SECONDARY CRUSHER	Alarm	Sep 14, 2007	Sep 27, 2007	283599	Demo Data	Site 22	No Review Needed (Oct 24, 2008)
	2-N-13CO-B-OB - 2B SECONDARY CRUSHER	2B SECONDARY CRUSHER	Alarm	Sep 14, 2007	Sep 27, 2007	283600	Demo Data	Site 22	No Review Needed (Oct 24, 2008)
	UNIT2 STACK ELEVATOR - 2V10105 ALIOIL HD OIL	2V10105 ALIOIL HD OIL	Alarm	Nov 01, 2007	Nov 19, 2007	287801	Demo Data	Site 22	No Review Needed (Oct 24, 2008)
	1-G-20EA-A-O - 1A CIRC WATER MOTOR	1A CIRC WATER MOTOR - Westinghouse	Alarm	Feb 04, 2008	Feb 15, 2008	294308	Demo Data	Site 22	No Review Needed (Oct 24, 2008)
	0-T-10EO-A-O - 1A SERVICE WATER PUMP MOTOR	1A SERVICE WATER PUMP MOTOR - US ELECT	Alarm	Feb 04, 2008	Feb 15, 2008	294316	Demo Data	Site 22	No Review Needed (Oct 24, 2008)
	1-D-13AO-C - 1C L. P. ASH PUMP	1C L. P. ASH PUMP	Alarm	Feb 19, 2008	Mar 04, 2008	295381	Demo Data	Site 22	No Review Needed (Oct 24, 2008)
	2-N-11CO - PRIMARY FEEDER GEARBOX	PRIMARY FEEDER GEARBOX	Alarm	Sep 05, 2008	Sep 17, 2008	312352	Demo Data	Site 22	No Review Needed (Oct 24, 2008)

Samples Awaiting Review

Samples may appear in Oilography™ as "Awaiting Return." This means that the user must review the sample before it is placed in the most recent sample status. This feature may be used by the plant to review samples in alarm, critical samples, regardless of alarm status or all samples. The user must new the oil report and set a severity in order to accept the sample.

Most Recent

The "Most Recent Tab shows all samples defined for the site. The points alarm status, dates sampled and completed From any point the user may view the oil analysis report and add any pertinent maintenance events. The column headers for this report allow sorting, so if the user wishes to see all alarms at the top or the most recent samples, one click on the column leader produces this display.

Sample Points & Schedule

This tab allows the setup and modification of sample point information. The management of sample collection schedule and the printing of sample bottle labels. Clicking on the "Next Collection Date" column brings all samples that are due or overdue to the top of the report. The user checks the samples to be pulled and prints sample bottle labels.

Interactive Oil Report Analysis

Oil Analysis Report

R&G Laboratories, Inc.
 217 Hobbs Street
 Suite 105
 Tampa, FL 33619
 Phone: 813-643-3513 ext 127
 Fax: 813-793-4428

Location Desc: 2-N-11CO - PRIMARY FEEDER GEARBOX
 Equipment Desc: PRIMARY FEEDER GEARBOX
 Lube Brand: MOBIL SHC 634
 Lube Grade: 460.0
 Chart Group: Chart Grp 1

Report Status: Overall Alarm
 Demo Data Site 22

Sampled: 9/5/2008
 Received: 9/16/2008
 Completed: 9/17/2008
 Sample Code: 312352
 Review Status: No Review Needed
 Review Date: Oct 24, 2008

Post-Testing Comments
Lab Comments

- Recommended Action: Confirm lube type to be used in this unit.
- Data Interpretation: The viscosity of this sample does not correspond to the lube type provided. Certain particle count values are than desired and have been flagged for observation.

Comment History (10 entries) [View](#)

Sample ID	312352	295361	287799	279795	275166
Sample Date	9/5/2008	2/20/2008	11/3/2007	7/31/2007	6/9/2007
Severity	Alarm	Alarm	Alarm	Low Warning	Alarm
Equipment (Trace Elements)					
Iron	9	11	2	3	10
Chromium	0	0	0	0	0
Aluminum	0	0	0	0	0
Copper	9	7	4	6	15
Lead	1	0	0	0	0
Solids	<0.1	<0.1	<0.1	<0.1	<0.1
Particle Count					
>4µm	99999 (24)	99999 (24)	8210 (20)	99999 (24)	99999 (24)
>6µm	7452 (20)	12509 (21)	480 (16)	31508 (22)	95342 (24)
>14µm	83 (13)	27 (12)	14 (11)	81 (14)	359 (16)
>20µm	10 (10)	6 (10)	1 (7)	17 (11)	97 (14)
>30µm	0	2 (8)	0	1 (7)	15 (11)
>40µm	0	0	0	0	1 (7)

Wear Metals
 ppm vs Date (6/9/2007 to 9/5/2008)
 Legend: Iron (green), Tin (red), Copper (blue), Lead (purple)

Particle Count
 ppm vs Date (6/9/2007 to 9/5/2008)
 Legend: >4µm (green), >6µm (red), >14µm (blue), >20µm (purple), >30µm (orange), >40µm (brown)

Kari Fischer
 ppm vs Date (6/9/2007 to 9/5/2008)
 Legend: Trend (blue)

Your Laboratory's Logo and Address

Selectable chart groups for plots at bottom of report

Lab and plant reviewer comments

Click on older displayed sample point to see previous samples

Plant may define specific alarm limits

Click to trend any individual test parameter