

MAINTelligence™

Reporting Capabilities

Presented by



Route Compliance



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Point Compliance Report

Route ID	Description	Total Points	Not Due	Due	Overdue <1	Overdue	Due (%)	Overdue (%)	Compliance
HTP 1 VA Route	Boiler 1 Vibration Analysis Route	79	79	0	0	0	0.0 %	0.0 %	100.0 %
HTP 2 VA Route	Boiler 2 Vibration Analysis Route	79	79	0	0	0	0.0 %	0.0 %	100.0 %
HTP 3 VA Route	Boiler 3 Vibration Analysis Route	79	42	0	0	37	0.0 %	46.8 %	53.2 %
Fortress Lube Route 1	Fortress Logyard Lube Week 1	122	62	40	0	20	32.8 %	16.4 %	50.8 %
Fortress Lube Route 2	Fortress Logyard Lube Week 2	91	71	0	0	20	0.0 %	22.0 %	78.0 %
Fortress Lube Route 3	Fortress Logyard Lube Week 3	122	62	40	0	20	32.8 %	16.4 %	50.8 %
Fortress Lube Route 4	Fortress Logyard Lube Week 4	91	71	0	0	20	0.0 %	22.0 %	78.0 %
Fortress Sawline Lube Route 1	Fortress Sawline Lube Week 1	31	31	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Sawline Lube Route 2	Fortress Sawline Lube Week 2	63	63	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Sawline Lube Route 3	Fortress Sawline Lube Week 3	50	50	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Sawline Lube Route 4	Fortress Sawline Lube Week 4	63	63	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Mill Lube Route 1	Fortress Mill Lube Week 1	51	51	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Mill Lube Route 2	Fortress Mill Lube Week 2	43	43	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Mill Lube Route 3	Fortress Mill Lube Week 3	42	42	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Mill Lube Route 4	Fortress Mill Lube Week 4	98	98	0	0	0	0.0 %	0.0 %	100.0 %
Fortress Waste Systems	Fortress Waste Systems Lube Route	63	63	0	0	0	0.0 %	0.0 %	100.0 %
Fortress 3 Monthly E/Mtr	Fortress 3 Monthly E/Mtr Greasing	83	83	0	0	0	0.0 %	0.0 %	100.0 %
Fortress 3 Monthly G/box INFD	Fortress 3 Monthly Infeed G/box Route	36	36	0	0	0	0.0 %	0.0 %	100.0 %

Route Upload Reports w/ Compliance



Route Upload & Compliance

15/08/2012 to 22/08/2014

Route ID	Description		Collection Interval		Due	Not	No Schedule						
7337-PR-HOMO	Alex Homogenisers		1	wk	✓	✓	✓						
Uploaded	Uploaded	Instrument	Total	Collected	Missed	Skipped	No Status	Undetermined	Normal	Caution	Critical	Attention	Compliance (%)
19/08/2014	Kevin	InspectCE	17	16	1	0	0	0	16	0	0	0	94.12
14/08/2014	Kevin	InspectCE	118	44	74	0	0	0	44	0	0	0	37.29

Inspection Results

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Site Temperature Results

Route ID	Route Description	Route Description				
Press 1 TEMP	Press 1 Monthly Temp	Thursday, 15 May 2014	4:15:40 p.m.			

Point Name	Point Description	Point Class	Point Type			
PREB-305-COM-GBX1-T	Gearbox Temperature	Inspection	Raytek Temperature			
Sample Number	Reading Date	Parameter	Value	Previous Value	Difference	Status
	15/05/2014 0:00	Temperature	51.900002	58.900002	-7.000000	Undetermined

Point Name	Point Description	Point Class	Point Type			
PREB-305-COM-MTR1-DECM-T	Motor DE Bearing Temperature	Inspection	Raytek Temperature			
Sample Number	Reading Date	Parameter	Value	Previous Value	Difference	Status
	15/05/2014 0:00	Temperature	53.200001	58.299999	-5.099998	Undetermined

Point Name	Point Description	Point Class	Point Type			
PREB-305-COM-MTR1-NDECM	Motor NDE Bearing Temperature	Inspection	Raytek Temperature			
Sample Number	Reading Date	Parameter	Value	Previous Value	Difference	Status
	15/05/2014 0:00	Temperature	24.700001	44.599998	-19.899998	Undetermined

Point Name	Point Description	Point Class	Point Type			
PREB-305-COM-ROL1-ND8CM-T	Bearing ND8 Temperature	Inspection	Raytek Temperature			
Sample Number	Reading Date	Parameter	Value	Previous Value	Difference	Status
	15/05/2014 0:00	Temperature	31.700001	40.599998	-8.899998	Undetermined

Point Name	Point Description	Point Class	Point Type			
PREB-305-COM-ROL2-ND8CM-T	Bearing ND8 Temperature	Inspection	Raytek Temperature			
Sample Number	Reading Date	Parameter	Value	Previous Value	Difference	Status
	15/05/2014 0:00	Temperature	32.000000			Undetermined

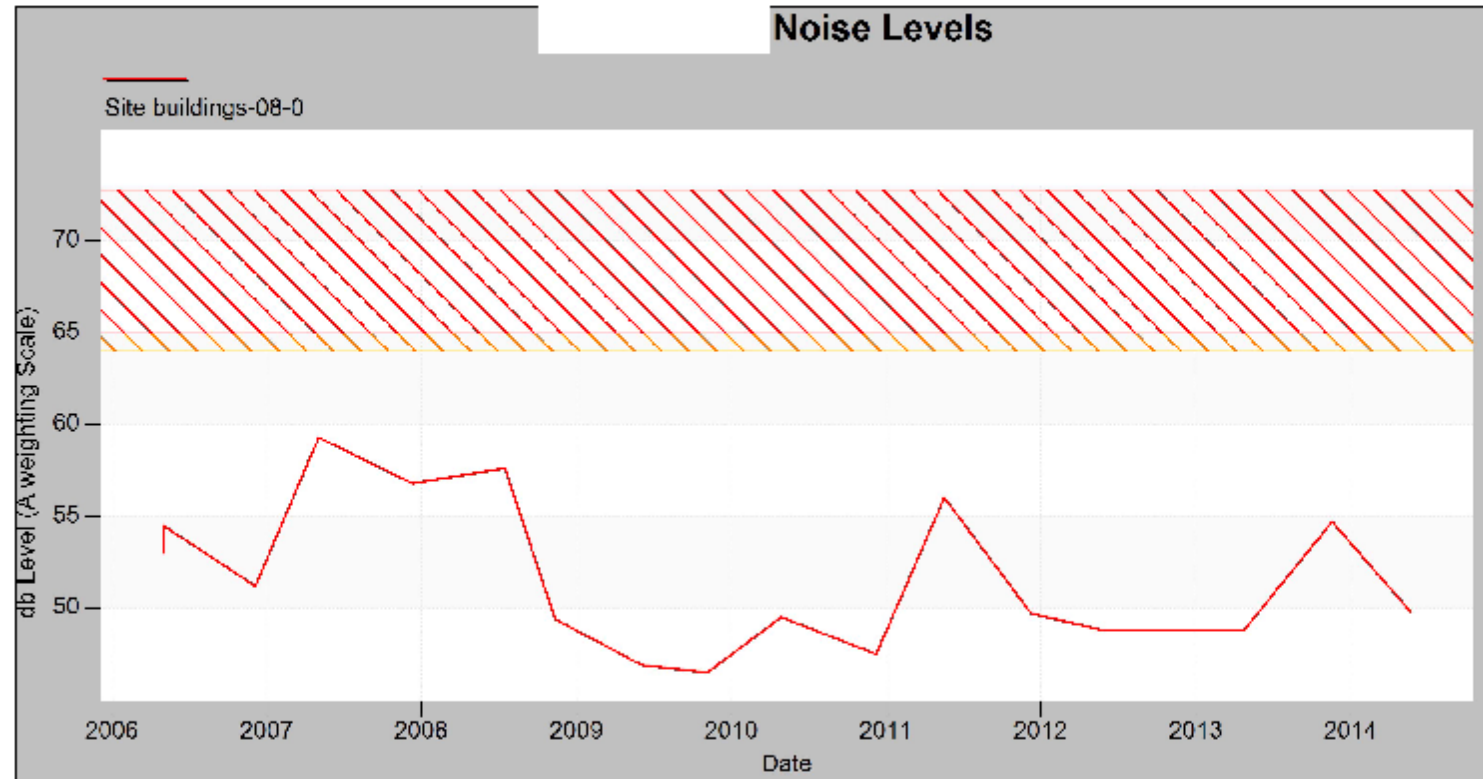
Point Name	Point Description	Point Class	Point Type			
PREB-305-COM-ROL3-ND8CM-T	Bearing ND8 Temperature	Inspection	Raytek Temperature			
Sample Number	Reading Date	Parameter	Value	Previous Value	Difference	Status
	15/05/2014 0:01	Temperature	31.299999			Undetermined

Inspection Result – Graph Report

Site buildings-08-0

Northern Boundry Noise Level

Normal



Stocktake Results

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Stocktake

Stock Number: 1 Mobil 1 Formula 5W-40 Inventory Unit: l

Storage Area - Workshop

On Hand 9.000000
On Reserve 0.000000
Last Count 2013-07-04
Location Bench 1

Stock Number: 1 Oil Filter Element - Pall 12 Micron Inventory Unit: ea

Storage Area - Ordered As Required

On Hand 0.000000
On Reserve 0.000000
Last Count
Location OAR

Stock Number: 10 Safety Glasses Inventory Unit: ea

Storage Area - Office

On Hand 0.000000
On Reserve 0.000000
Last Count
Location OAR

Stock Number: 11 Site Footwear Inventory Unit: pcs

Storage Area - Office

On Hand 0.000000
On Reserve 0.000000
Last Count
Location OAR

Stock Number: 110250 Castrol Hyspin AWH-M15 Inventory Unit: pcs

Stock Number: 12 High Viz - Summer Inventory Unit: ea

Storage Area - Office

On Hand 0.000000
On Reserve 0.000000
Last Count
Location OAR

Alarm Log Reports

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Alarm Log Report

Printed on: Thursday, 8 January

Status	Logged	Equipment	Component	Point	Alarm	Value
Caution	8/01/2014	SE-OIL-4	Oil Drum 4	Desiccant Breather	Desiccant Breather	Breather Pink none
Critical	8/01/2014	SE-OIL-5	Oil Drum 5	Oil Drum	Date Oil Opened	21225594240 none
Caution	8/01/2014	SE-OIL-1	Oil Drum 1	Desiccant Breather	Desiccant Breather	Breather Pink none
Caution	8/01/2014	SE-OIL-2	Oil Drum 2	Desiccant Breather	Desiccant Breather	Breather Pink none
Critical	8/01/2014	SE-OIL-6	Oil Drum 6	Oil Drum	Date Oil Opened	21225499200 none
Caution	8/01/2014	SE-OIL-5	Oil Drum 5	Desiccant Breather	Desiccant Breather	Breather Pink none
Caution	8/01/2014	SE-OIL-6	Oil Drum 6	Desiccant Breather	Desiccant Breather	Breather Pink none
Caution	8/01/2014	SE-OIL-3	Oil Drum 3	Desiccant Breather	Desiccant Breather	Breather Pink none
Caution	8/01/2014	WT-AER642003	Surface Aerator 2 West	Gearbox	Desiccant Breather	Breather Pink none
Caution	8/01/2014	WT-AER642002	Surface Aerator 1 East	Gearbox	Desiccant Breather	Breather Pink none
Caution	9/01/2014	MP-HOM534200	Dryer 5 - Homogeniser 4	Homogeniser Crankcase	Crankcase Oil	Oil Topped none
Caution	9/01/2014	CP-PSF012702	Cream Outload Trailer Pump	Pump	Pump Oil - Upper	Oil Topped none
Caution	9/01/2014	CP-PSV214101	Cream Transfer Pump	Pump	Pump Oil	Sightglass none
Caution	9/01/2014	CP-PSP112627	Cream Silo To AMF Pump	Pump	Pump Oil	Oil Dirty none
Critical	10/01/2014	MP-HOM34052	Homogeniser 2 - Dryer 4	Homogeniser Crankcase		Oil Level Low none
Caution	10/01/2014	CP-VPR142001	Benhil Vacuum Pump	Vacuum Pump		Oil Dirty none
Caution	13/01/2014	MP-FAV538600	Baghouse 3&4 Exhaust Fan (Nth)	Fan	Fan NDE Shockpulse	107.000000 °C
Caution	13/01/2014	MP-PSF543301	Line 5 Vacuum Can 1 & 2 Transport	Vacuum Pump		Oil Topped none
Caution	13/01/2014	MP-PSF541402	Bagline 5 De-Aeration Vacuum Pump	Vacuum Pump		Oil Topped none
Caution	13/01/2014	MP-PSF24005	Evap 4 - Feed Pump	Pump	Pump Shockpulse	25.000000 db
Caution	13/01/2014	MP-PSF24005	Evap 4 - Feed Pump	Pump	Pump Shockpulse	16.000000 db
Critical	13/01/2014	MP-PSV523403	Evap 3 Effect 2 Pass D Pump	Pump	Pump Shockpulse	47.000000 db

Alarm Log Reports

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Weekly Alarm Log Report

Collected	Equipment	Component	Point	Alarm	Value	Added (L)
Caution 10/08/2016	3080-DRY-BINS-HYDR	Hydraulic Power Pack CHHDM11	Hydraulic Tank Check Level & Top Up	Oil Level/Condition	Oil Level Low, Topped Up	50.0000 l

Paper Based Inspections

MAINTelligence Inspection Route

Cream Plant Weekly/Fortnightly				CP-1
Location	Equipment	Inspection	Completed	
CP09	CP-SEP223208 Separator - Cream Cheese 1	Separator Oil	2/12/2014	
CP08	CP-HOM213101 Homogeniser - Cream Cheese 1	Crankcase Oil	2/12/2014	
CP29	CP-MOE143132 Ammix 1 SSE Barrel 3	Gearbox Oil	2/12/2014	
CP29	CP-MOE143102 Ammix 1 SSE Barrel 1	Gearbox Oil	2/12/2014	
CP29	CP-MOE143117 Ammix 1 SSE Barrel 2	Gearbox Oil	2/12/2014	
CP29	CP-MOE144102 Ammix 2 SSE Barrel 1	Gearbox Oil	2/12/2014	
CP29	CP-MOE144132 Ammix 2 SSE Barrel 3	Gearbox Oil	2/12/2014	
CP29	CP-MOE144177 Ammix 2 SSE Barrel 6	Gearbox Oil	2/12/2014	
CP29	CP-MOE144117 Ammix 2 SSE Barrel 2	Gearbox Oil	2/12/2014	
CP29	CP-MOE144147 Ammix 2 SSE Barrel 4	Gearbox Oil	2/12/2014	
CP29	CP-MOE144162 Ammix 2 SSE Barrel 5	Gearbox Oil	2/12/2014	
CP27	CP-SEP120701 AMF Beta Separator	Separator Oil	2/12/2014	
CP27	CP-SEP120801 AMF Polisher	Separator Oil	2/12/2014	

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EM Lube Round

Greasing Route

Equipment ID	2010-0601	Product Storage Pump 1/2	Area / Facility
EM (Greasable) Breather Oil Fed Brg Sightglass Pump runs 1.5 hours per day on	2000	Storage (Product)	
Notes			
			No of Shots # <input type="checkbox"/>
			DE Brg Shots # <input type="checkbox"/>
			NDE Brg Shots # <input type="checkbox"/>
Equipment ID	2010-0602	Product Storage Pump 3/4	Area / Facility
EM (Greasable) Breather Oil Fed Brg Sightglass Pump runs 1.5 hours per day on	2000	Storage (Product)	
Notes			
			No of Shots # <input type="checkbox"/>
			DE Brg Shots # <input type="checkbox"/>
			NDE Brg Shots # <input type="checkbox"/>
Equipment ID	2010-0603	Product Storage Pump 5	Area / Facility
EM (Greasable) Breather Oil Fed Brg Sightglass Pump runs 1 hours per day on	2000	Storage (Product)	
Notes			
			No of Shots # <input type="checkbox"/>
			DE Brg Shots # <input type="checkbox"/>
			NDE Brg Shots # <input type="checkbox"/>
Equipment ID	4110-0103	Plant Water Pump (South)	Area / Facility
EM (Greasable) Breather Oil Fed Brg Sightglass Pump runs 0.125 hours per day on	4100	Plant and fire	
Notes			
			No of Shots # <input type="checkbox"/>
			DE Brg Shots # <input type="checkbox"/>
			NDE Brg Shots # <input type="checkbox"/>
Equipment ID	4110-0102	Plant Water Pump (North)	Area / Facility
EM (Greasable) Breather Oil Fed Brg Sightglass Pump runs 1 hours per day on	4100	Plant and fire	
Notes			
			No of Shots # <input type="checkbox"/>
			DE Brg Shots # <input type="checkbox"/>
			NDE Brg Shots # <input type="checkbox"/>
Equipment ID	1810-0502	Dry HC Pump	Area / Facility
EM (Greasable) Breather Oil Fed Brg Sightglass Pump runs 0.5 hours per day on	1800	Flammable storage	
Notes			
			No of Shots # <input type="checkbox"/>
			DE Brg Shots # <input type="checkbox"/>
			NDE Brg Shots # <input type="checkbox"/>

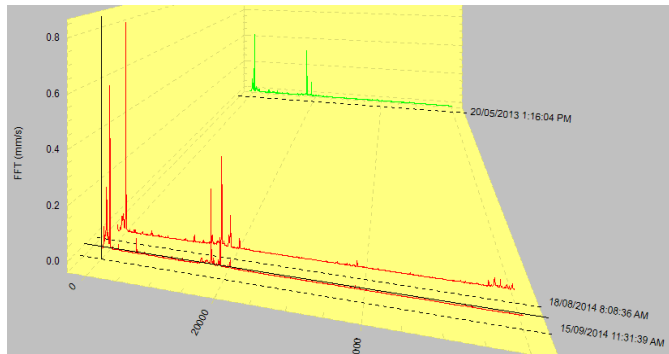
Remember to Check
Fluid levels, Breathers, Leaks, Abnormalities

Plant Lube Catalog

Facility 41- Mixed Waste Paper

Equipment	41-25-0900A 41-25-0900A-01	2 BRG-FAN	ROOM FAN PULPING ROOM ELECTRICAL G1	
Equipment	41-25-0900B 41-25-0900B-01	2 BRG-FAN	ROOM FAN PIPE TUNNEL	
Equipment	41-31-0101 41-31-0101-PU01	Pump	Pump Pulper #1 Discharge Pump Sump Pump Dynamic Seal	Mobil DTE Heavy Medium Mobilgrease XHP 222
Equipment	41-31-0102 41-31-0102-01	Pump	Pump Pulper #1 Flote Purge Pump Sump	Mobil DTE Heavy Medium
Equipment	41-31-0105 41-31-0105-PU01	Pump	Pump Pulper #2 Discharge Pump Sump Pump Dynamic Seal	Mobil DTE Heavy Medium Mobilgrease XHP 222
Equipment	41-31-0111 41-31-0111-PU01	Pump	Pump Pulper #1 To Centrifuge Pump Sump Pump Dynamic Seal	Mobil DTE Heavy Medium Mobilgrease XHP 222
Equipment	41-31-0112 41-31-0112-PU01	Pump	Pump Pulper #2 To Centrifuge Pump Sump Pump Dynamic Seal	Mobil DTE Heavy Medium Mobilgrease XHP 222
Equipment	41-31-0116 41-31-0116-PU01	Pump	Pump WW Chest To Plant Pump Sump Pump Dynamic Seal	Mobil DTE Heavy Medium Mobilgrease XHP 222
Equipment	41-31-0118 41-31-0118-PU01	Pump	Pump Primary Screen Reject Chest Pump Sump Pump Dynamic Seal	Mobil DTE Heavy Medium Mobilgrease XHP 222

CBM Reporting



Vibration Analysis

Oil Analysis - Report for ICP and XRF Tests **PRETEST**
LABORATORY SERVICES

Status: Critical

Equipment: 65227-07 Hydraulic System
Area: Food Packaging

Sample Point ID: 65227 Injection Moulder-Hydraul Castrol Hyspin ZZ 68

Sample:	92341542	92146606	91973667	91788744	91604085	91466397	91352406
Collect Date:	26/09/2014	26/05/2014	31/01/2014	30/09/2013	31/05/2013	1/03/2013	30/11/2012

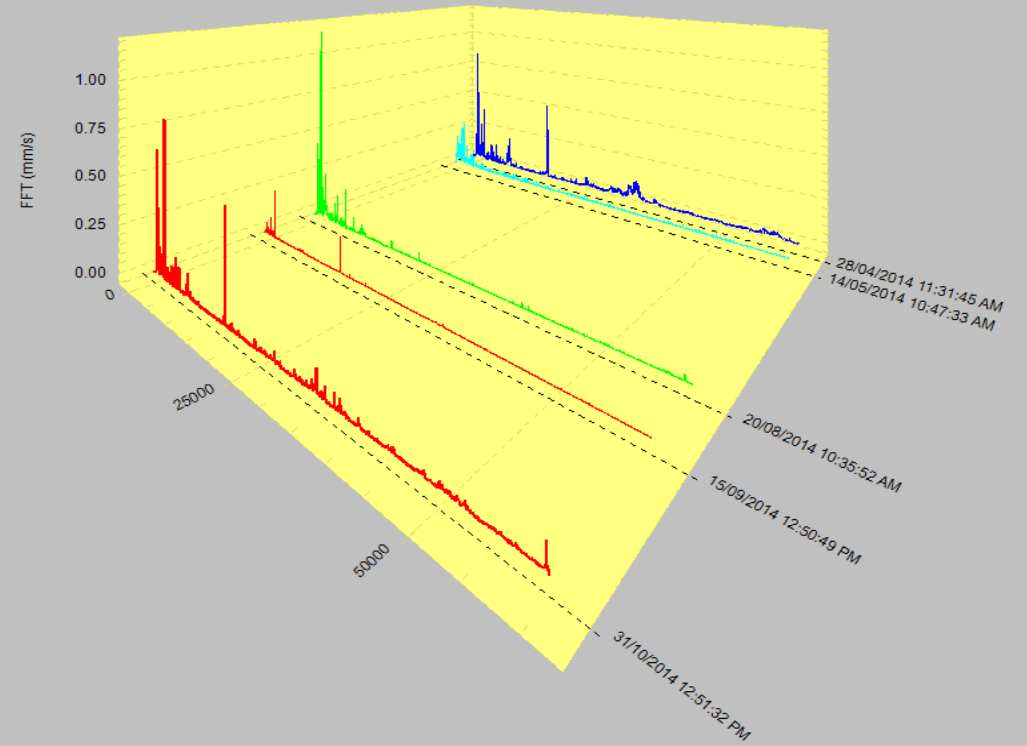
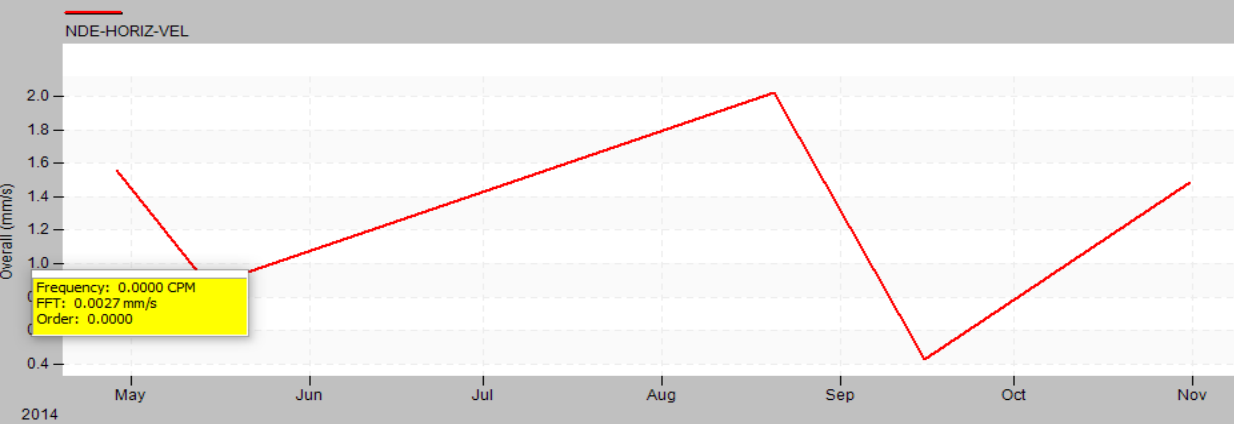
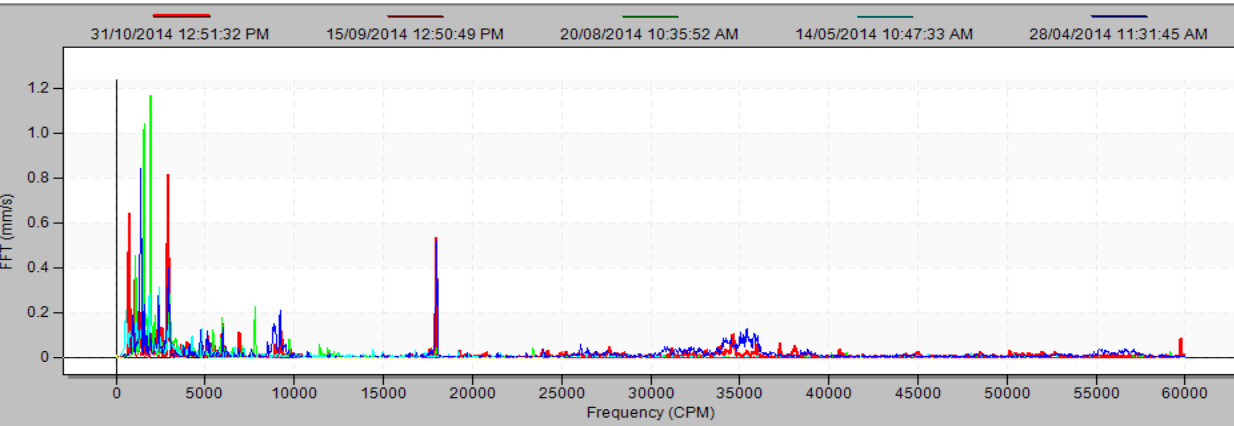
Spectrography: Spectrography: Wear Elements in ppm (milligrams per kilogram)

Aluminum (Al)	1	1	1	1	1	1	1
Chromium (Cr)	1	1	1	1	1	1	1
Copper (Cu)	3	3	3	3	3	3	3
Iron (Fe)	5	5	4	4	4	4	4

Oil Analysis Results

FFT/Overall w/ Waterfall Graph

Vibration Analysis.



Plots

Display	Color	Source	Parameter	Date
<input checked="" type="checkbox"/>		NDE-HORIZ-VEL	FFT	31/10/2014 12:51:32 PM
<input checked="" type="checkbox"/>		NDE-HORIZ-VEL	FFT	15/09/2014 12:50:49 PM
<input checked="" type="checkbox"/>		NDE-HORIZ-VEL	FFT	20/08/2014 10:35:52 AM
<input checked="" type="checkbox"/>		NDE-HORIZ-VEL	FFT	14/05/2014 10:47:33 AM
<input checked="" type="checkbox"/>		NDE-HORIZ-VEL	FFT	28/04/2014 11:31:45 AM

Vibration Data Reports

Vibration Analysis.

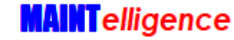


Vibration Data

POINT IDENTIFICATION		STATUS	DATE	CURRENT	PREVIOUS	DIFFERENCE
3082-MP2-BAGH-8034	Extraction fan	Normal				
MP2-BAGH-8030-V01 NDE	Velocity spectrum Fmax 500	Normal	4/11/2014	1.057 mm/s	0.760 mm/s	0.297 mm/s
MP2-BAGH-8030-V01 NDE	ACC US Time wave form	Normal	4/11/2014	0.322 g's	0.163 g's	0.160 g's
MP2-BAGH-8030-H01 NDE	Velocity spectrum Fmax 500	Normal	4/11/2014	0.608 mm/s	0.513 mm/s	0.094 mm/s
MP2-BAGH-8030-H01 NDE	ACC US Time wave form	Normal	4/11/2014	0.043 g's	0.041 g's	0.003 g's
MP2-BAGH-8030-V02 DE	Velocity spectrum Fmax 500	Normal	4/11/2014	1.576 mm/s	1.576 mm/s	-0.000 mm/s
MP2-BAGH-8030-V02 DE	ACC US Time wave form	Normal	4/11/2014	0.077 g's	0.070 g's	0.007 g's
MP2-BAGH-8030-H02 DE	Velocity spectrum Fmax 500	Normal	4/11/2014	0.812 mm/s	0.753 mm/s	0.058 mm/s
MP2-BAGH-8030-H02 DE	ACC US Time wave form		4/11/2014	0.947 g's	1.278 g's	-0.332 g's
MP2-BAGH-8030-A02 DE	Velocity spectrum Fmax 500	Normal	4/11/2014	2.021 mm/s	1.912 mm/s	0.109 mm/s
MP2-BAGH-8030-V03 DE	Velocity spectrum Fmax 500	Normal	4/11/2014	1.155 mm/s	0.972 mm/s	0.183 mm/s
MP2-BAGH-8030-V03 DE	ACC US Time wave form	Normal	4/11/2014	1.293 g's	1.673 g's	-0.379 g's
MP2-BAGH-8030-H03 DE	Velocity spectrum Fmax 500	Normal	4/11/2014	1.616 mm/s	1.352 mm/s	0.264 mm/s
MP2-BAGH-8030-H03 DE	ACC US Time wave form	Normal	4/11/2014	0.980 g's	0.877 g's	0.084 g's
MP2-BAGH-8030-A03 DE	Velocity spectrum Fmax 500	Normal	4/11/2014	1.262 mm/s	1.357 mm/s	-0.095 mm/s
MP2-BAGH-8030-V04 NDE	Velocity spectrum Fmax 500	Normal	4/11/2014	1.166 mm/s	0.828 mm/s	0.337 mm/s
MP2-BAGH-8030-V04 NDE	ACC US Time wave form	Normal	4/11/2014	1.536 g's	0.817 g's	0.720 g's
MP2-BAGH-8030-H04 NDE	Velocity spectrum Fmax 500	Normal	4/11/2014	1.417 mm/s	0.909 mm/s	0.508 mm/s
MP2-BAGH-8030-H04 NDE	ACC US Time wave form	Normal	4/11/2014	2.057 g's	0.732 g's	1.325 g's

End of Section

Note: The Status in this report are being calculated based on all band alarms and not only Vibration Overalls

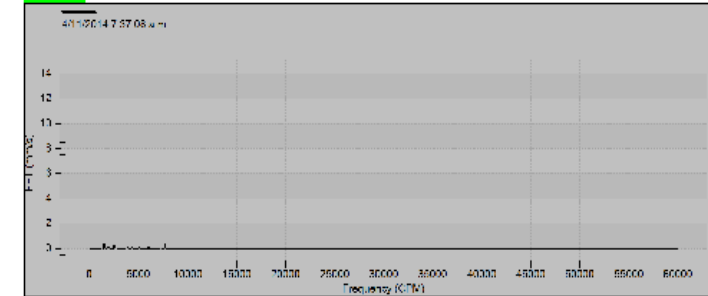


Vibration Report (with FFT graph)

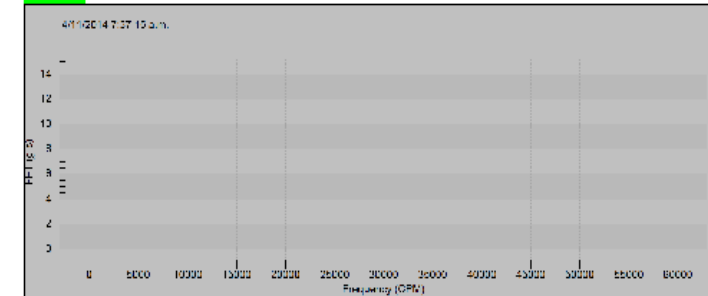
Printed on: Thursday, 8 January 2015

Equipment: 3082-MP2-BAGH-8034 Extraction fan **Normal**

Point: MP2-BAGH-8030-V01 NDE BRG Velocity spectrum Fmax 500 Res 1600
Normal 4/11/2014 Overall 1.0574 mm/s Previous 0.7603 mm/s Difference 0.2972 mm/s



Point: MP2-BAGH-8030-V01 NDE BRG ACC US Time wave form
Normal 4/11/2014 Overall 0.3225 g's Previous 0.1626 g's Difference 0.1598 g's



PCM Test Results

Oil Analysis

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Prelim PCM Results

Route Base Mill PCM Testing Results Base Mill PCM Testing Results
Equipment 3060-LP1-DBRK-HYD1 Debarker Hydraulic Power Pack CHHBM1

Point ID LP1-DBRK-HYD1-HPU1-PCM-P1 On Line Testing

14/06/2016 8:18:43 p.m. Tim

14um Result	10.000000
6um Result	12.000000
H2O %	20.000000
Temperature	46.500000
Viscosity	31.299999

Equipment 3060-SM1-PRIM-CARH Carriage Hydraulic Power Pack CHHBM2

Point ID SM1-PRIM-CARH-HPU1-PCM-P1 On Line Testing

14/06/2016 8:32:42 p.m. Tim

14um Result	8.000000
6um Result	12.000000
H2O %	45.000000
Temperature	38.799999
Viscosity	48.099998

Equipment 3060-SM1-HORI-HYD1 Hori Hydraulic Power Pack CHHBM3

Point ID SM1-HORI-HYD1-HPU1-PCM-P1 On Line Testing

14/06/2016 8:53:25 p.m. Tim

14um Result	8.000000
6um Result	12.000000
H2O %	25.000000
Temperature	40.200001
Viscosity	43.299999

Equipment 3060-SM1-RPSY-HYD1 Autopos Hydraulic Power Pack CHHBM4

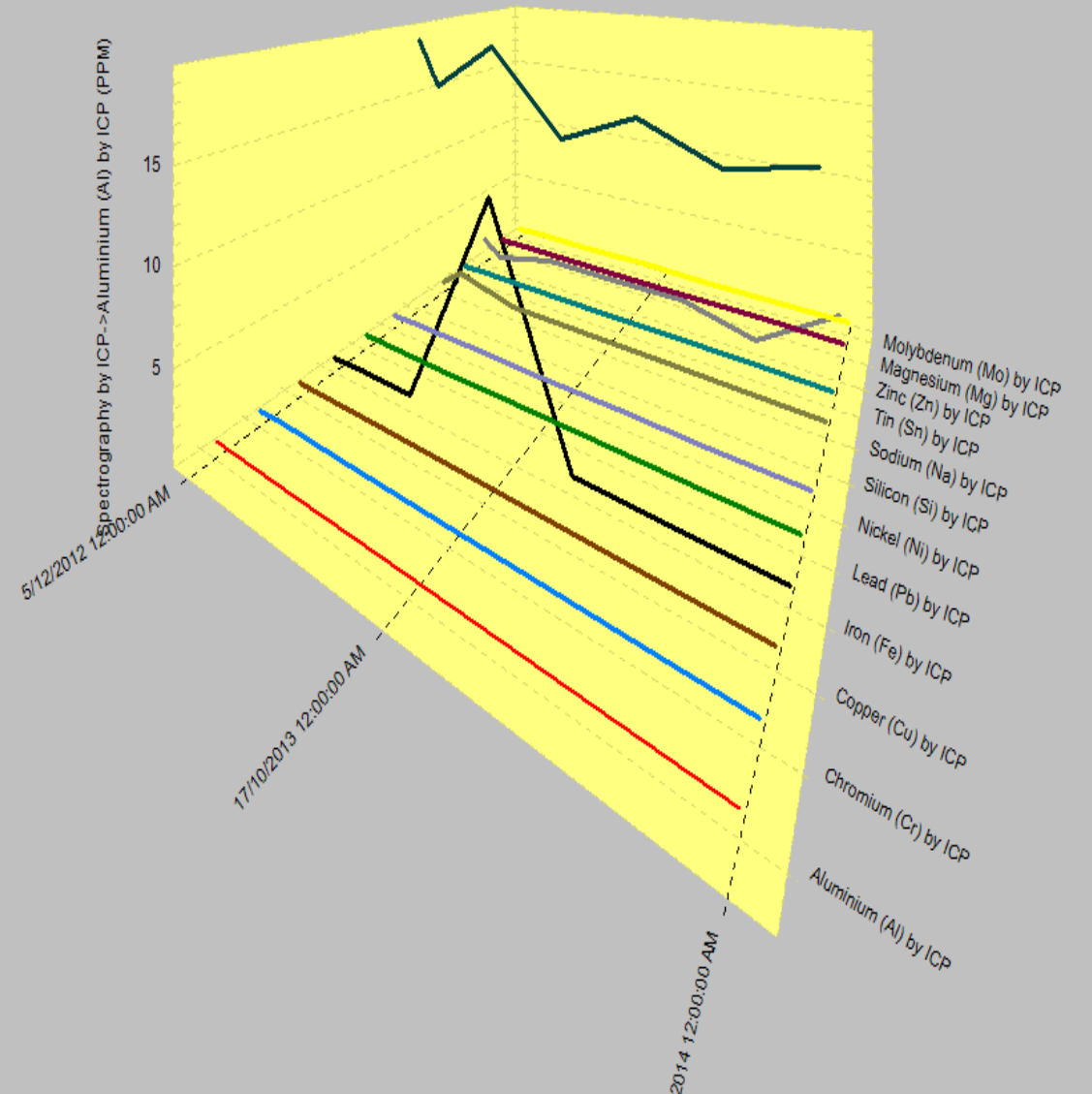
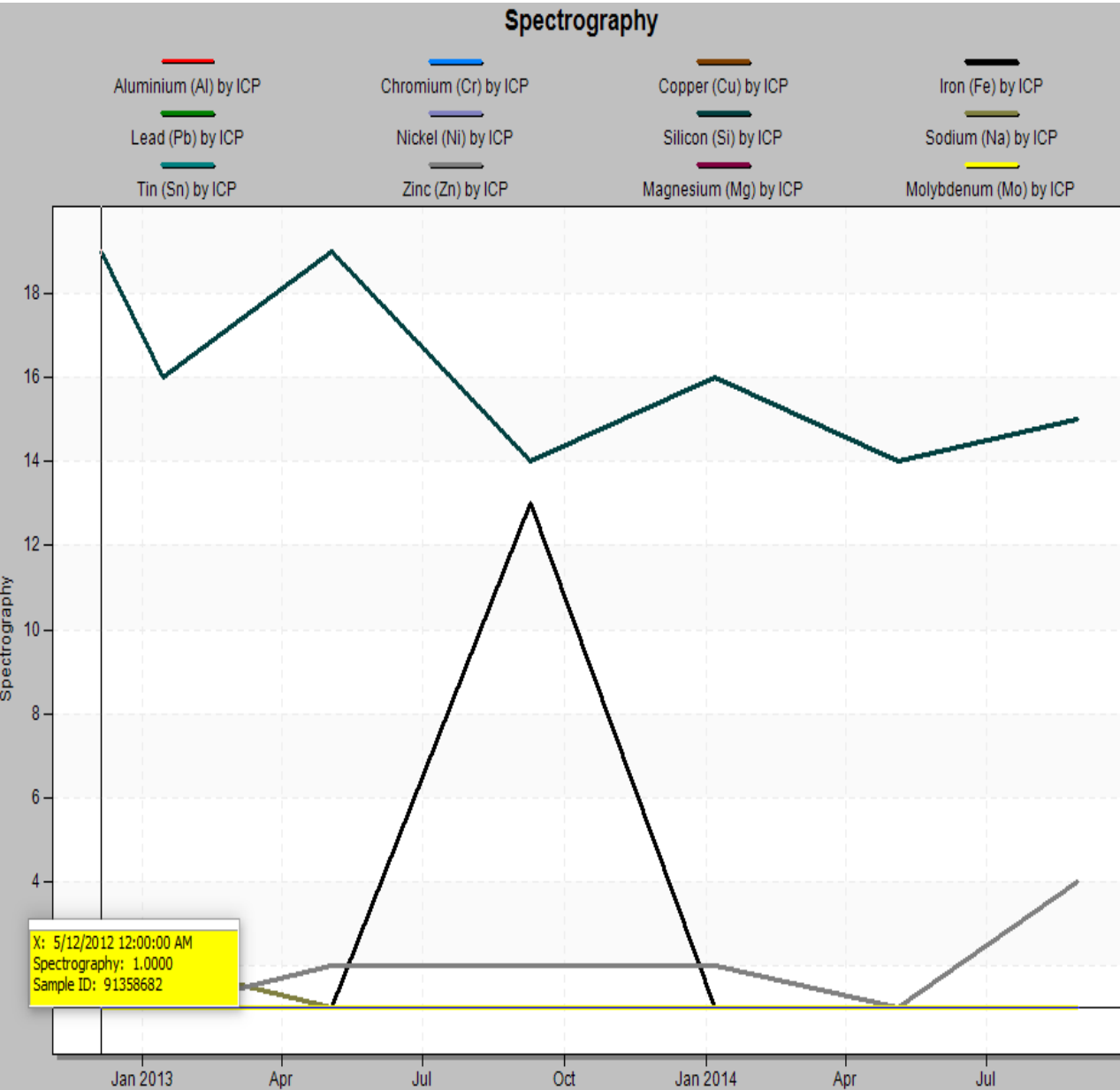
Point ID SM1-RPSY-HYD1-HPU1-PCM-P1 On Line Testing

1/03/2016 12:50:13 p.m. Mike

14um Result	10.000000
6um Result	12.000000
H2O %	23.000000
Temperature	50.099998
Viscosity	27.299999

ICP/XRF Spectrography Results (Graphed)

Oil Analysis



ICP/XRF Spectrography Report

Oil Analysis

Oil Analysis - Report for ICP and XRF Tests



Status: Normal

Equipment:	65113-05 Extruder gearbox						
Area:	Industrial Products & Packaging						
Sample Point ID:	65113 Blowmoulder-Extruder Gear Mobil SHC 632						
Sample:	92297863	92115063	91936728	91758766	91559885	91405003	91358682
Collect Date:	29/08/2014	5/05/2014	6/01/2014	9/09/2013	3/05/2013	14/01/2013	5/12/2012
Spectrography:	Spectrography: Wear Elements in ppm (miligrams per kilogram)						
Aluminum (Al)	1	1	1	1	1	1	1
Chromium (Cr)	1	1	1	1	1	1	1
Copper (Cu)	1	1	1	1	1	1	1
Iron (Fe)	1	1	1	13	1	1	1
Molybdenum (Mo)	1	1	1	1	1	1	1
Nickel (Ni)	1	1	1	1	1	1	1
Lead (Pb)	1	1	1	1	1	1	1
Tin (Sn)	1	1	1	1	1	1	1
	Spectrography: Contaminants in ppm (miligrams per kilogram)						
Boron (B)	5	5	5	5	5	5	5
Potassium (K)	1	1	1	1	1	1	1
Sodium (Na)	1	1	1	1	1	2	1
Silicon (Si)	15	14	16	14	19	16	19
	Spectrography: Additive Elements in ppm (miligrams per kilogram)						
Barium (Ba)							
Calcium (Ca)	1	1	1	1	1	1	1
Magnesium (Mg)	1	1	1	1	1	1	1
Phosphorus (P)	1029	967	1001	767	982	817	970
Zinc (Zn)	4	1	2	2	2	1	2
ISO(4406): 1999							
PCM 4 / 6 / 14							
Viscosity:							
Viscosity (cts) at	313	326	317	323	319	322	323
Water:							
Karl Fisher ppm	33	74	58	41	39	53	38
PCM % Saturation							
PQ/Oxidation:							
PQ Index	10	10	10	22	10	15	12
Oxidation							
Total Acid No:							
Tan	0.3	0.5	0.3	0.4	0.3	0.4	0.4

