



Normal

Unit ID: GA007

Description: turbine circ oil

Asset ID: 40465059

Account Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17052285048
 Service Level: Essential
 Bottle ID: a005546077
 Tested Lubricant: MOBIL DTE 732

Equipment Information

Asset Class: Steam Turbine
 Manufacturer:
 Model: N/A
 Lubricant: MOBIL DTE 732

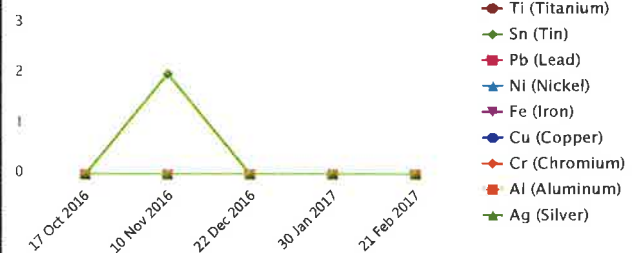
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	16291373073163151060201635726504317030209014				17052285048
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Lubricant					
Oxidation (Ab/cm)	1	0	0	1	1
TAN (mg KOH/g)	0.09	0.07	0.11	0.14	0.10
Visc@40C (cSt)	32.7	32.6	32.7	32.8	32.6
Water (Vol%)	0.006	<0.003	<0.003	<0.003	<0.003
Wear (ppm)					
Ag (Silver)	0	0	0	0	0
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	2	0	0	0
Ti (Titanium)	0	0	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	2	0	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	0	0	0	0	0
V (Vanadium)	0	0	0	0	0
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	0	1	1	0	1
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	1	1	1	0	1
Zn (Zinc)	0	0	1	0	1

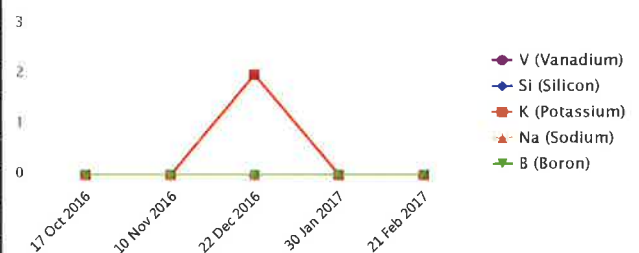
Viscosity



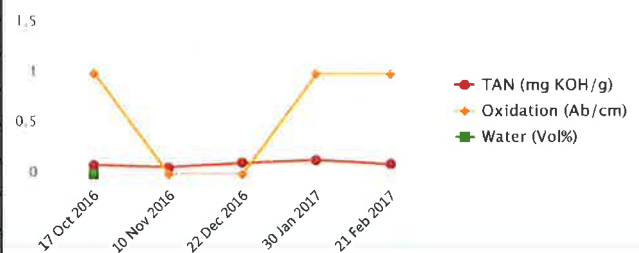
Wear



Contaminants



Physical Properties



Recommendation/Comments

NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.



Normal

Unit ID: GA008

Asset ID: 40481416

Description: turbine control oil (hydac)

Account Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17052285046
 Service Level: Essential
 Bottle ID: a005417078
 Tested Lubricant: MOBIL DTE 732

Equipment Information

Asset Class: Circulating System
 Manufacturer: HYDAC
 Model: HYDAC CONTROL RACK
 Lubricant: MOBIL DTE 732

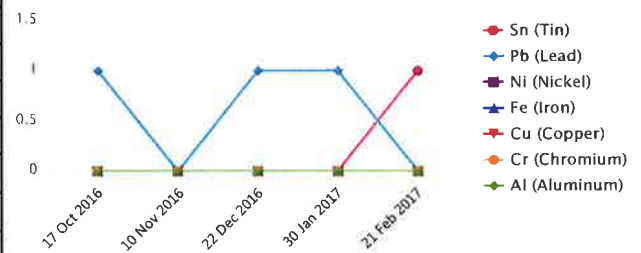
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	16291348003163151060241635726504417030209016				17052285046
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	1	1	1	1	1
Visc@40C (cSt)	32.4	32.7	32.7	32.7	32.7
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	1	0	1	1	0
Sn (Tin)	0	0	0	0	1
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	0	0	0
Na (Sodium)	4	1	0	0	1
Si (Silicon)	0	0	0	0	0
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	9	10	9	9	9
Mg (Magnesium)	1	1	1	1	0
P (Phosphorus)	9	11	9	9	10
Zn (Zinc)	19	19	17	19	19

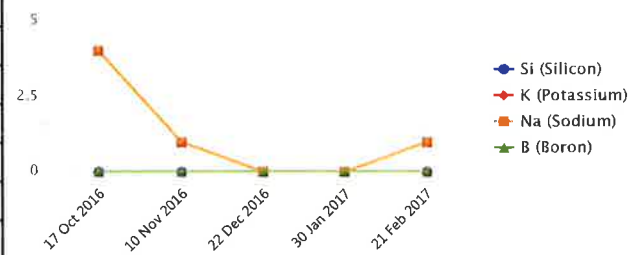
Viscosity



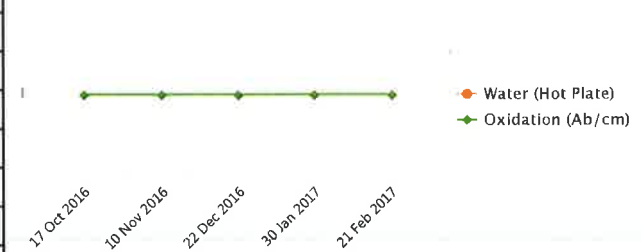
Wear



Contaminants



Physical Properties



Recommendation/Comments

NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.



Normal

Unit ID: GA005

Description: boiler feed water pump (A)

Asset ID: 40481412

Account Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17052285009
 Service Level: Essential
 Bottle ID: a005288017
 Tested Lubricant: MOBIL DTE 732

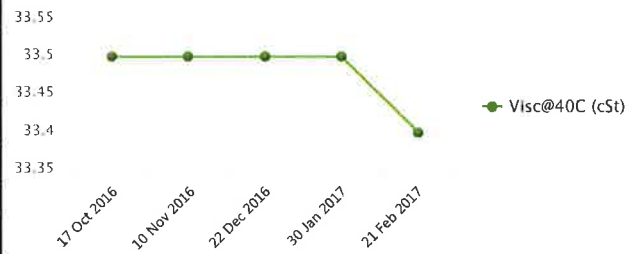
Equipment Information

Asset Class: Circulating System
 Manufacturer: BOILER FEED PUMP
 Model: CIRC RACK
 Lubricant: MOBIL DTE 732

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	16291373077	16315106026	16357265037	17030209013	17052285009
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	1	0
Visc@40C (cSt)	33.5	33.5	33.5	33.5	33.4
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	1	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	1	0	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	0	0	3	0	1
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	0	0	0	0	0
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	0	0	1	0	0
Zn (Zinc)	2	2	2	1	2

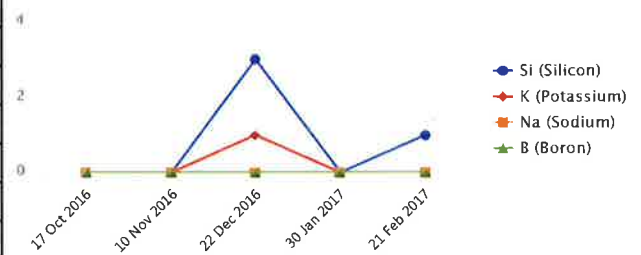
Viscosity



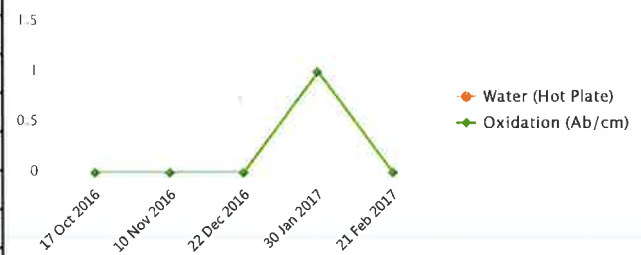
Wear



Contaminants



Physical Properties



Recommendation/Comments

NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.



Normal

Unit ID: GA006

Asset ID: 40481413

Description: boiler feed water (B)

Account Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17052285010
 Service Level: Essential
 Bottle ID: a005160870
 Tested Lubricant: MOBIL DTE 732

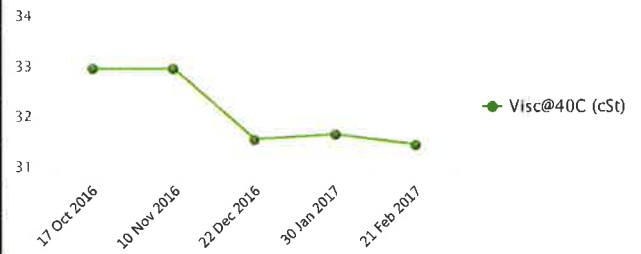
Equipment Information

Asset Class: Circulating System
 Manufacturer: BOILER FEED WATER (B)
 Model: CIRC RACK
 Lubricant: MOBIL DTE 732

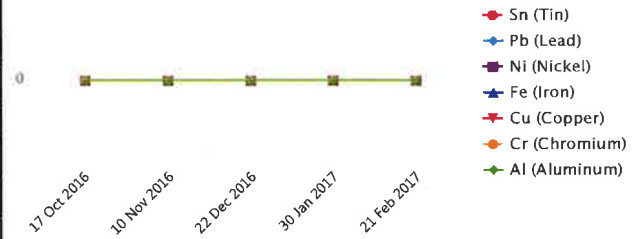
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	16291373072	16315106022	16357265045	17030209019	17052285010
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	33.0	33.0	31.6	31.7	31.5
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	0	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	0	0	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	0	0	1	0	1
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	0	0	0	0	0
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	0	2	1	0	0
Zn (Zinc)	1	1	0	0	0

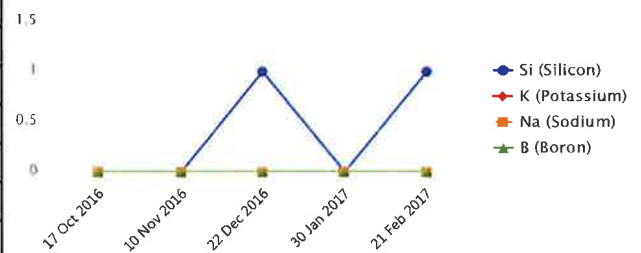
Viscosity



Wear



Contaminants



Physical Properties



Recommendation/Comments

NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.



Normal

Unit ID: GA003

Asset ID: 40481409

Description: I.D. fan

Account Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17052231045
 Service Level: Essential
 Bottle ID: a005546003
 Tested Lubricant: DTE HEAVY MEDIUM

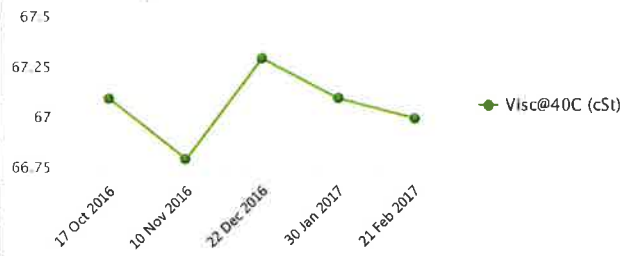
Equipment Information

Asset Class: Circulating System
 Manufacturer: I.D. FAN
 Model: BEARING RACK
 Lubricant: DTE HEAVY MEDIUM

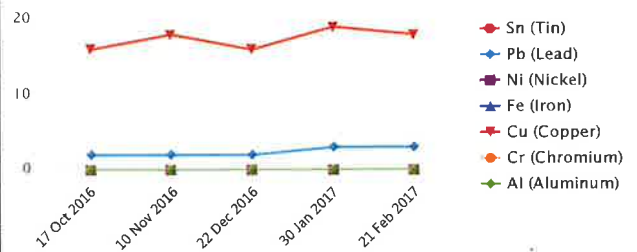
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	16291373075163151060281635726503417030209017				17052231045
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	67.1	66.8	67.3	67.1	67.0
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	16	18	16	19	18
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	2	2	2	3	3
Sn (Tin)	0	0	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	4	0	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	1	1	1	1	1
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	13	14	12	11	11
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	142	156	125	145	137
Zn (Zinc)	113	117	102	114	114

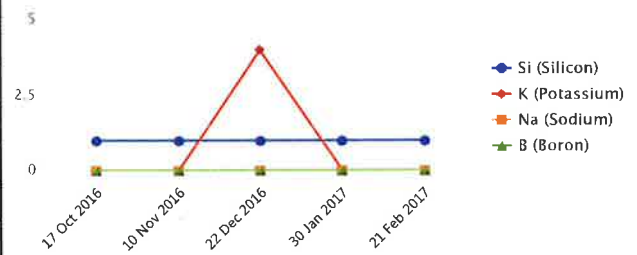
Viscosity



Wear



Contaminants



Physical Properties



Recommendation/Comments

NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.



Normal

Unit ID: GA002

Asset ID: 40481405

Description: P.A. fan

Account Information

Sample Information

Equipment Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

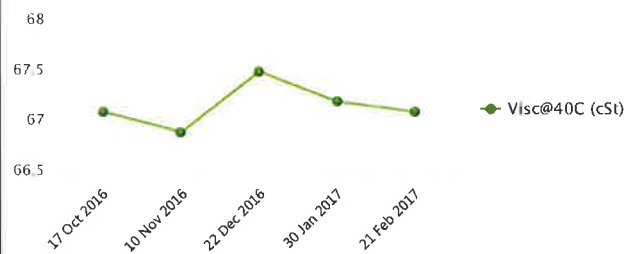
Sample ID: 17052231042
 Service Level: Essential
 Bottle ID: a005422565
 Tested Lubricant: DTE HEAVY MEDIUM

Asset Class: Circulating System
 Manufacturer: P.A. FAN
 Model: BEARING RACK
 Lubricant: DTE HEAVY MEDIUM

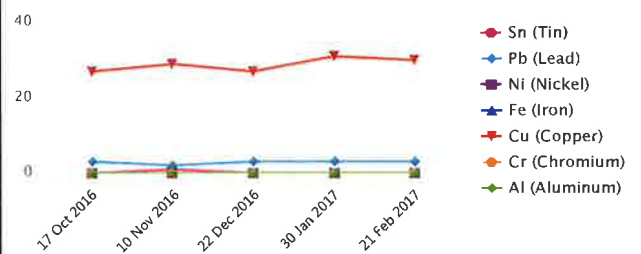
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	16291373071	16315106023	16357265038	17030209018	17052231042
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	67.1	66.9	67.5	67.2	67.1
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	27	29	27	31	30
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	3	2	3	3	3
Sn (Tin)	0	1	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	1	2	0	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	1	1	2	1	1
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	81	87	78	84	79
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	238	263	230	246	229
Zn (Zinc)	293	294	257	316	292

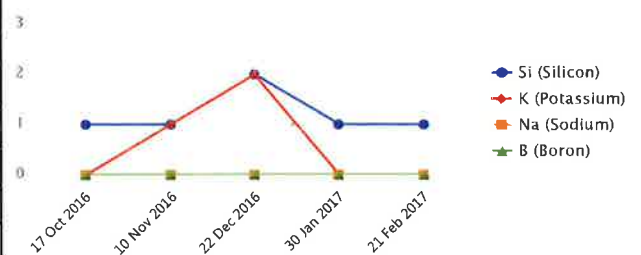
Viscosity



Wear



Contaminants



Physical Properties



Recommendation/Comments

NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.



Normal

Unit ID: GA001

Description: S.A. fan

Asset ID: 40479201

Account Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17052231043
 Service Level: Essential
 Bottle ID: a005541321
 Tested Lubricant: DTE HEAVY MEDIUM

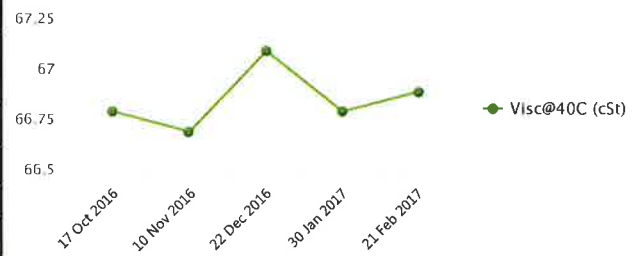
Equipment Information

Asset Class: Circulating System
 Manufacturer: N/A
 Model: N/A
 Lubricant: DTE HEAVY MEDIUM

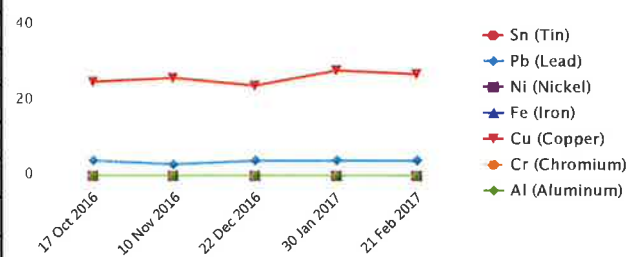
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	16291373076	16315106025	16357265036	17030209020	17052231043
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	66.8	66.7	67.1	66.8	66.9
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	25	26	24	28	27
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	4	3	4	4	4
Sn (Tin)	0	0	0	0	0
B (Boron)	1	0	0	1	0
K (Potassium)	0	1	1	0	3
Na (Sodium)	0	0	0	0	1
Si (Silicon)	1	1	2	1	1
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	132	142	126	145	138
Mg (Magnesium)	0	1	0	1	0
P (Phosphorus)	234	257	222	246	228
Zn (Zinc)	282	275	239	307	280

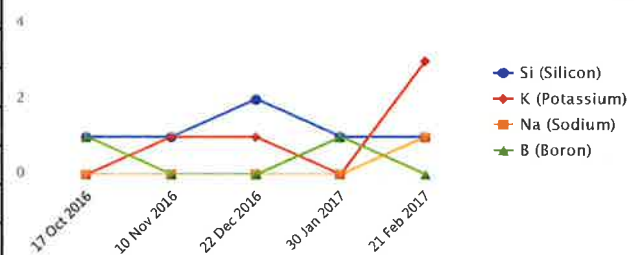
Viscosity



Wear



Contaminants



Physical Properties



Recommendation/Comments

NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.



Caution

Unit ID: GA004

Description: FGR fan

Asset ID: 40481410

Account Information

ID: 318801
 Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17052231044
 Service Level: Essential
 Bottle ID: a005365745
 Tested Lubricant: DTE HEAVY MEDIUM

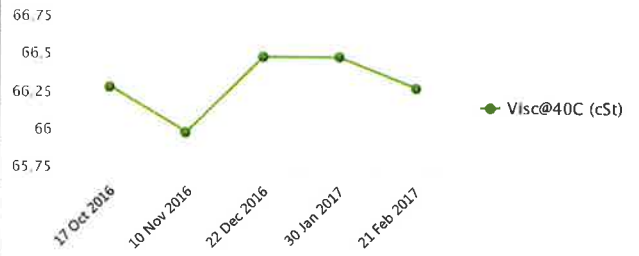
Equipment Information

Asset Class: Circulating System
 Manufacturer: FGR FAN
 Model: BEARING RACK
 Lubricant: DTE HEAVY MEDIUM

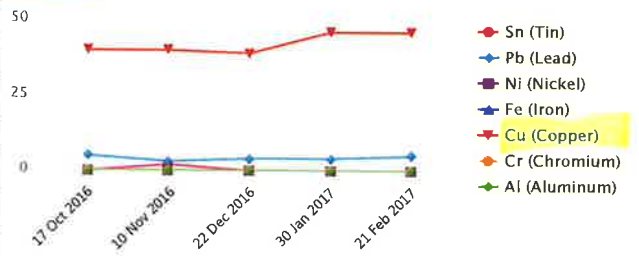
Sample Data & Trends

Report Status	Caution	Caution	Normal	Caution	Caution
Sample ID	16291373074163151060211635726504217030209015				17052231044
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	21 Feb 2017
Completed	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	22 Feb 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Caution	Caution	Normal	Caution	Caution
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	66.3	66.0	66.5	66.5	66.3
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	40	40	39	46	46
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	1	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	5	3	4	4	5
Sn (Tin)	0	2	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	1	3	0	2
Na (Sodium)	0	1	0	0	1
Si (Silicon)	2	2	3	2	2
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	98	102	98	107	105
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	243	259	228	251	246
Zn (Zinc)	275	259	248	294	291

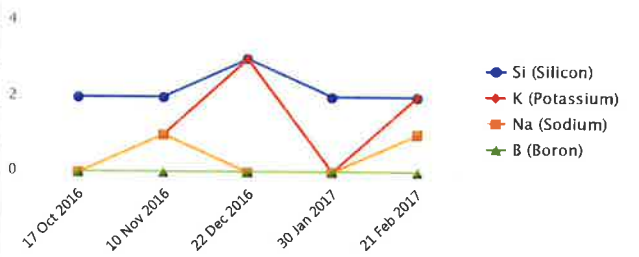
Viscosity



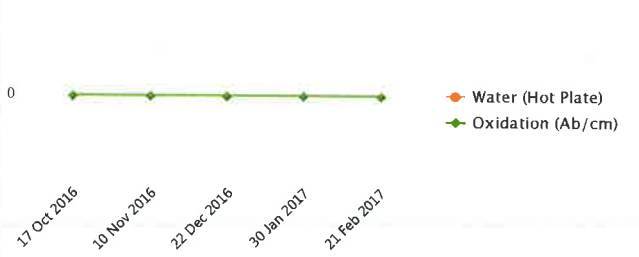
Wear



Contaminants



Physical Properties



Recommendation/Comments

ACTION REQUIRED - ELEVATED WEAR METALS LEVELS. Determine cause of elevated wear metals levels and take corrective action. If the wear metals levels are elevated for the first time with no history of an increasing trend, then resample immediately to confirm condition. Because silicon levels are not also elevated, abrasive dirt is not the cause of this condition. Possible causes of elevated wear metals include: a. Worn or oil-wetted parts; b. Contamination from previous fill; c. Over-extended oil service life; d. Normal break-in of new equipment. Continue to closely monitor the equipment and oil for signs of further condition regressions. Contact your ExxonMobil representative for further assistance if necessary.



Report Status: **Normal**

Account Information

Account Number: **318801**
Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
Telephone: **386-315-8024**
Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **17030209017**
Tested Lubricant: **DTE HEAVY MEDIUM**
Sampled: **30 Jan 2017**
Completed: **31 Jan 2017**

Equipment Information

Unit ID: **GA003**
Description: **I.D. fan**
Asset ID: **40481409**
Asset Class: **Circulating System**
Manufacturer: **I.D. FAN**
Model: **BEARING RACK**

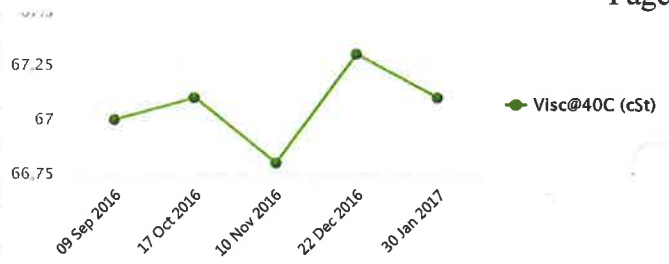
Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

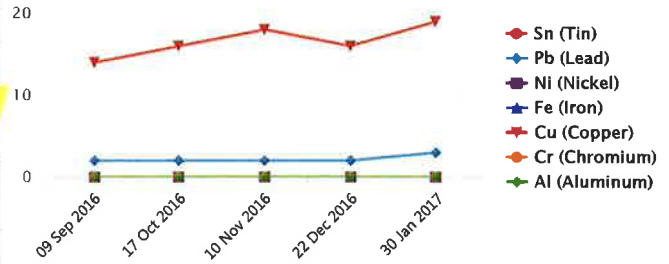


Report Status	Normal	Normal	Normal	Normal	Normal
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017
Completed	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	67.0	67.1	66.8	67.3	67.1
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	14	16	18	16	19
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	2	2	2	2	3
Sn (Tin)	0	0	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	0	4	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	0	1	1	1	1
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	14	13	14	12	11
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	130	142	156	125	145
Zn (Zinc)	108	113	117	102	114

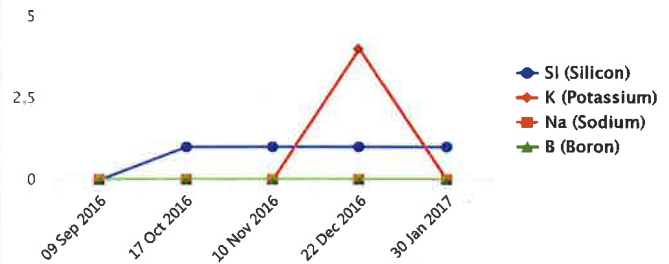
Viscosity



Wear



Contaminants



Physical Properties





Report Status: Normal

Account Information

Account Number: 318801
Account Name: Gainesville Renewable Energy Center / POWER HOUSE
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
Telephone: 386-315-8024
Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17030209018
Tested Lubricant: DTE HEAVY MEDIUM
Sampled: 30 Jan 2017
Completed: 31 Jan 2017

Equipment Information

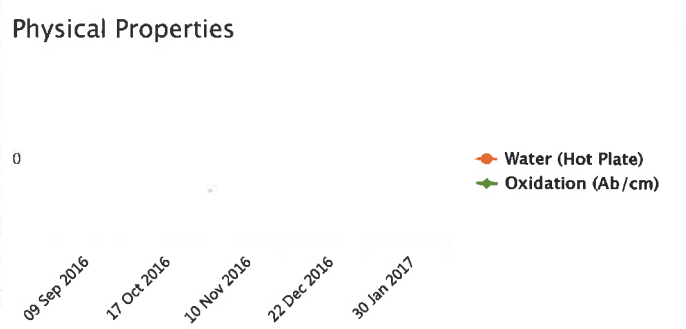
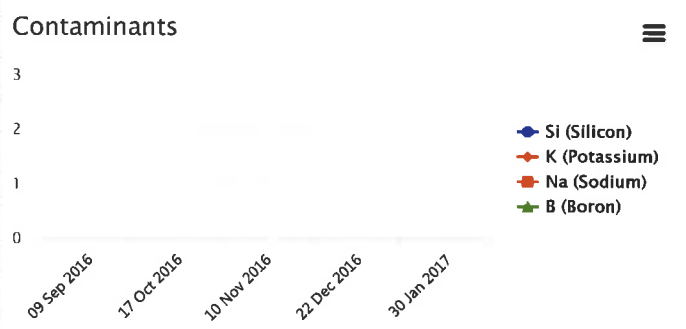
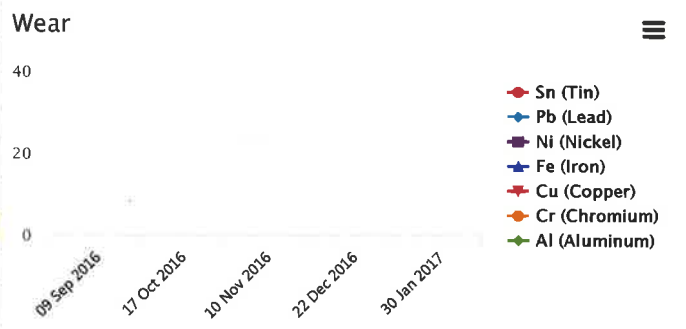
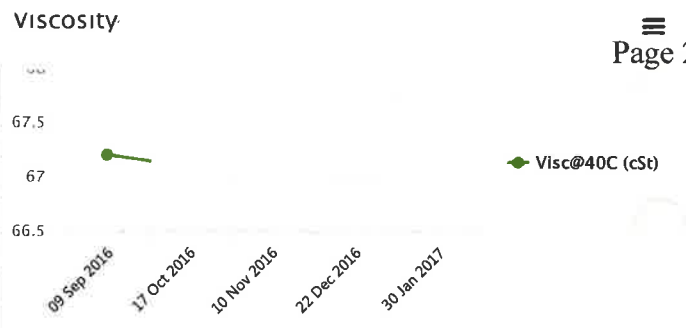
Unit ID: GA002
Description: P.A. fan
Asset ID: 40481405
Asset Class: Circulating System
Manufacturer: P.A. FAN
Model: BEARING RACK

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends



Report Status	Normal	Normal	Normal	Normal	Normal
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017
Completed	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	67.2	67.1	66.9	67.5	67.2
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	27	27	29	27	31
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	3	3	2	3	3
Sn (Tin)	0	0	1	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	1	2	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	1	1	1	2	1
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	79	81	87	78	84
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	229	238	263	230	246
Zn (Zinc)	276	293	294	257	316



Report Status: **Caution**

Account Information

Account Number: **318801**
Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
Telephone: **386-315-8024**
Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **17030209015**
Tested Lubricant: **DTE HEAVY MEDIUM**
Sampled: **30 Jan 2017**
Completed: **31 Jan 2017**

Equipment Information

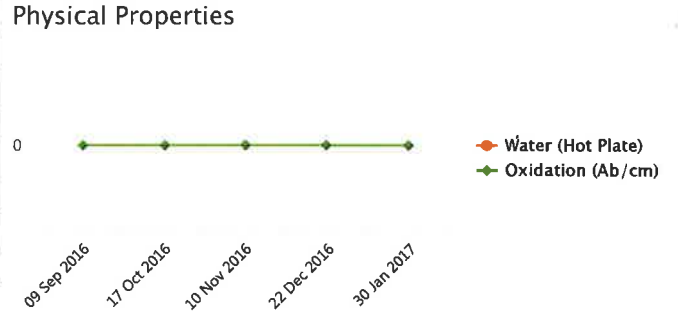
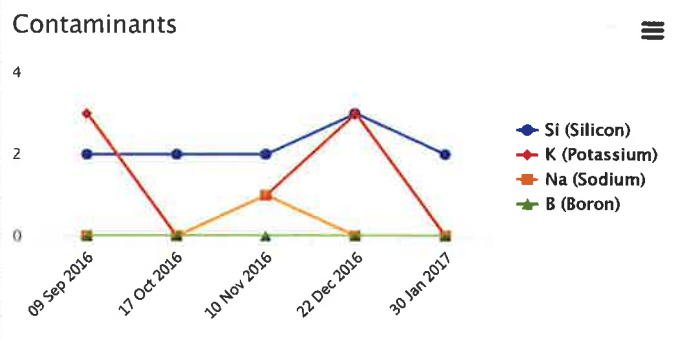
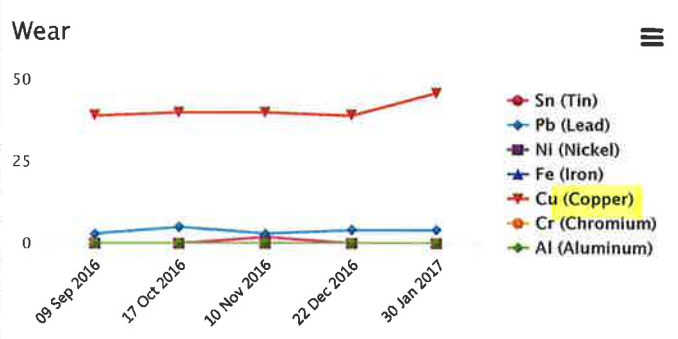
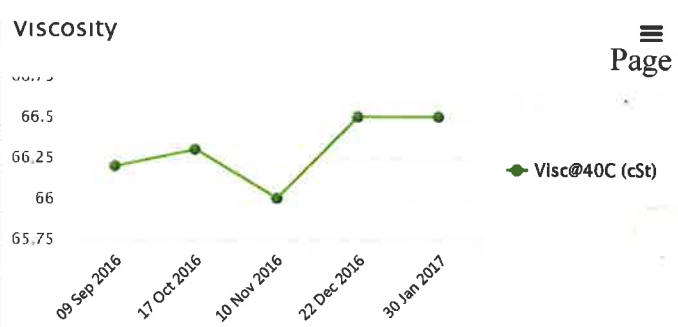
Unit ID: **GA004**
Description: **FGR fan**
Asset ID: **40481410**
Asset Class: **Circulating System**
Manufacturer: **FGR FAN**
Model: **BEARING RACK**

Recommendation/Comments: ACTION REQUIRED - ELEVATED WEAR METALS LEVELS. Determine cause of elevated wear metals levels and take corrective action. If the wear metals levels are elevated for the first time with no history of an increasing trend, then resample immediately to confirm condition. Because silicon levels are not also elevated, abrasive dirt is not the cause of this condition. Possible causes of elevated wear metals include: a. Worn of oil-wetted parts; b. Contamination from previous fill; c. Over-extended oil service life; d. Normal break-in of new equipment. Continue to closely monitor the equipment and oil for signs of further condition regressions. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends



Report Status	Normal	Caution	Caution	Normal	Caution
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017
Completed	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Caution	Caution	Normal	Caution
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	66.2	66.3	66.0	66.5	66.5
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Wear (ppm)					
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	39	40	40	39	46
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	1	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	3	5	3	4	4
Sn (Tin)	0	0	2	0	0
Contaminant (ppm)					
B (Boron)	0	0	0	0	0
K (Potassium)	3	0	1	3	0
Na (Sodium)	0	0	1	0	0
Si (Silicon)	2	2	2	3	2
Additive (ppm)					
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	96	98	102	98	107
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	230	243	259	228	251
Zn (Zinc)	260	275	259	248	294





Report Status: Normal

Account Information

Account Number: 318801
Account Name: Gainesville Renewable Energy Center / POWER HOUSE
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
Telephone: 386-315-8024
Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17030209020
Tested Lubricant: DTE HEAVY MEDIUM
Sampled: 30 Jan 2017
Completed: 31 Jan 2017

Equipment Information

Unit ID: GA001
Description: S.A. fan
Asset ID: 40479201
Asset Class: Circulating System
Manufacturer: N/A
Model: N/A

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

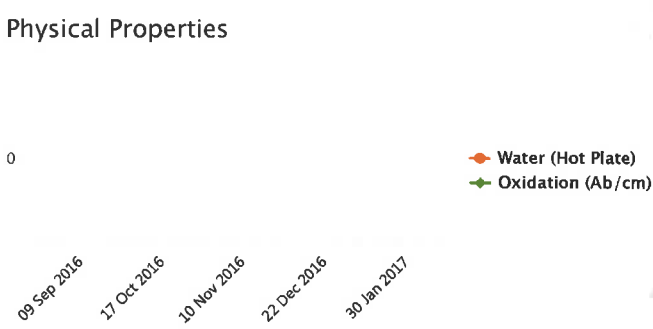
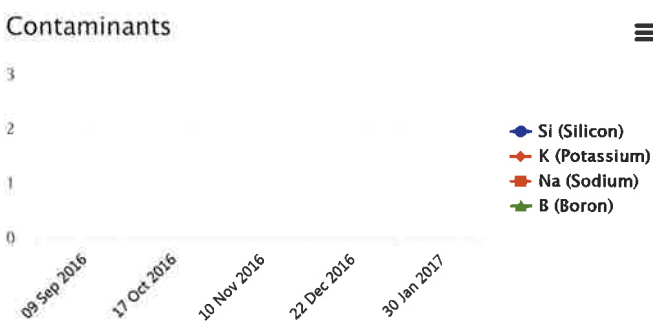
Sample Data & Trends



Report Status	Normal	Normal	Normal	Normal	Normal
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VISCOSITY

Sample info	Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
	Sampled	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017
	Completed	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017
	Equipment Age					
	Equipment UOM					
	Oil Age					
	Oil UOM					
	Make-up Volume					
	Volume UOM					
	Oil Changed					
Lubricant	Contamination Rating	Normal	Normal	Normal	Normal	Normal
	Equipment Rating	Normal	Normal	Normal	Normal	Normal
	Oil Rating	Normal	Normal	Normal	Normal	Normal
	Oxidation (Ab/cm)	0	0	0	0	0
	Visc@40C (cSt)	66.9	66.8	66.7	67.1	66.8
	Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Wear (ppm)	Al (Aluminum)	0	0	0	0	0
	Cr (Chromium)	0	0	0	0	0
	Cu (Copper)	24	25	26	24	28
	Fe (Iron)	0	0	0	0	0
	Mo (Molybdenum)	0	0	0	0	0
	Ni (Nickel)	0	0	0	0	0
	Pb (Lead)	4	4	3	4	4
	Sn (Tin)	0	0	0	0	0
Contaminant (ppm)	B (Boron)	0	1	0	0	1
	K (Potassium)	2	0	1	1	0
	Na (Sodium)	0	0	0	0	0
	Si (Silicon)	1	1	1	2	1
Additive (ppm)	Ba (Barium)	0	0	0	0	0
	Ca (Calcium)	132	132	142	126	145
	Mg (Magnesium)	1	0	1	0	1
	P (Phosphorus)	229	234	257	222	246
	Zn (Zinc)	265	282	275	239	307





Report Status: Normal

Account Information

Account Number: 318801
Account Name: Gainesville Renewable Energy Center / POWER HOUSE
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
Telephone: 386-315-8024
Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17030209016
Tested Lubricant: MOBIL DTE 732
Sampled: 30 Jan 2017
Completed: 31 Jan 2017

Equipment Information

Unit ID: GA008
Description: turbine control oil (hydac)
Asset ID: 40481416
Asset Class: Circulating System
Manufacturer: HYDAC
Model: HYDAC CONTROL RACK

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

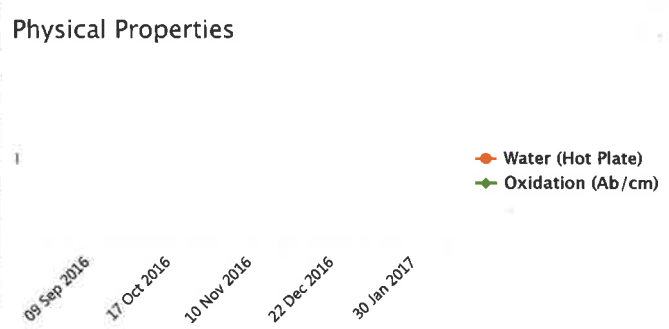
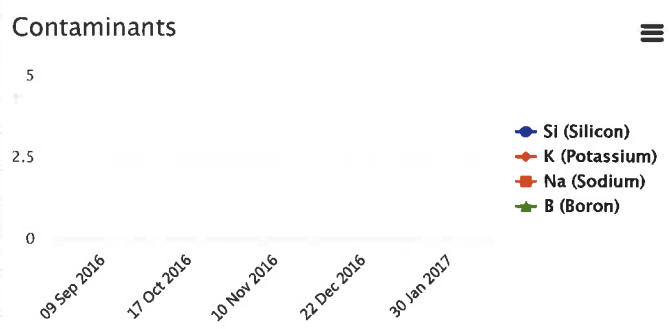
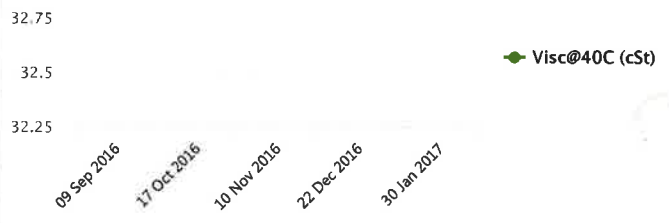
Sample Data & Trends



Report status: Normal Normal Normal Normal Normal

Viscosity

Sample Info	Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017	
Completed	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017	
Equipment Age						
Equipment UOM						
Oil Age						
Oil UOM						
Make-up Volume						
Volume UOM						
Oil Changed						
Filter Changed						
Lubricant	Contamination Rating	Normal	Normal	Normal	Normal	Normal
	Equipment Rating	Normal	Normal	Normal	Normal	Normal
	Oil Rating	Normal	Normal	Normal	Normal	Normal
	Oxidation (Ab/cm)	1	1	1	1	1
	Visc@40C (cSt)	32.8	32.4	32.7	32.7	32.7
	Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Wear (ppm)	Al (Aluminum)	0	0	0	0	0
	Cr (Chromium)	0	0	0	0	0
	Cu (Copper)	0	0	0	0	0
	Fe (Iron)	0	0	0	0	0
	Mo (Molybdenum)	0	0	0	0	0
	Ni (Nickel)	0	0	0	0	0
	Pb (Lead)	0	1	0	1	1
	Sn (Tin)	0	0	0	0	0
Contaminant (ppm)	B (Boron)	0	0	0	0	0
	K (Potassium)	2	0	0	0	0
	Na (Sodium)	1	4	1	0	0
	Si (Silicon)	0	0	0	0	0
Additive (ppm)	Ba (Barium)	0	0	0	0	0
	Ca (Calcium)	8	9	10	9	9
	Mg (Magnesium)	1	1	1	1	1
	P (Phosphorus)	11	9	11	9	9
	Zn (Zinc)	15	19	19	17	19





Report Status: Normal

Account Information

Account Number: 318801
Account Name: Gainesville Renewable Energy Center / POWER HOUSE
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
Telephone: 386-315-8024
Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17030209013
Tested Lubricant: MOBIL DTE 732
Sampled: 30 Jan 2017
Completed: 31 Jan 2017

Equipment Information

Unit ID: GA005
Description: boiler feed water pump (A)
Asset ID: 40481412
Asset Class: Circulating System
Manufacturer: BOILER FEED PUMP
Model: CIRC RACK

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

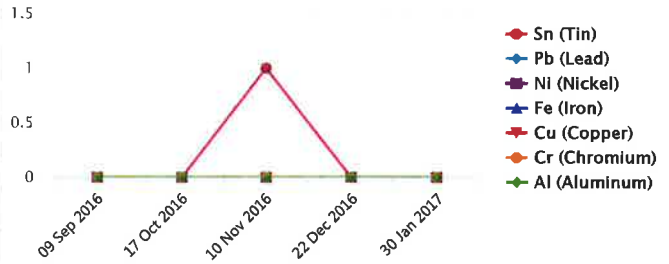


Report Status	Normal	Normal	Normal	Normal	Normal
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017
Completed	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	1
Visc@40C (cSt)	33.6	33.5	33.5	33.5	33.5
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	0	1	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	0	1	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	0	0	0	3	0
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	0	0	0	0	0
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	0	0	0	1	0
Zn (Zinc)	2	2	2	2	1

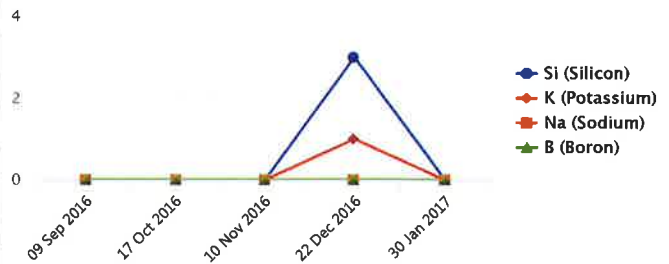
Viscosity



Wear



Contaminants



Physical Properties





Report Status: Normal

Account Information

Account Number: 318801
Account Name: Gainesville Renewable Energy Center / POWER HOUSE
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
Telephone: 386-315-8024
Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17030209019
Tested Lubricant: MOBIL DTE 732
Sampled: 30 Jan 2017
Completed: 31 Jan 2017

Equipment Information

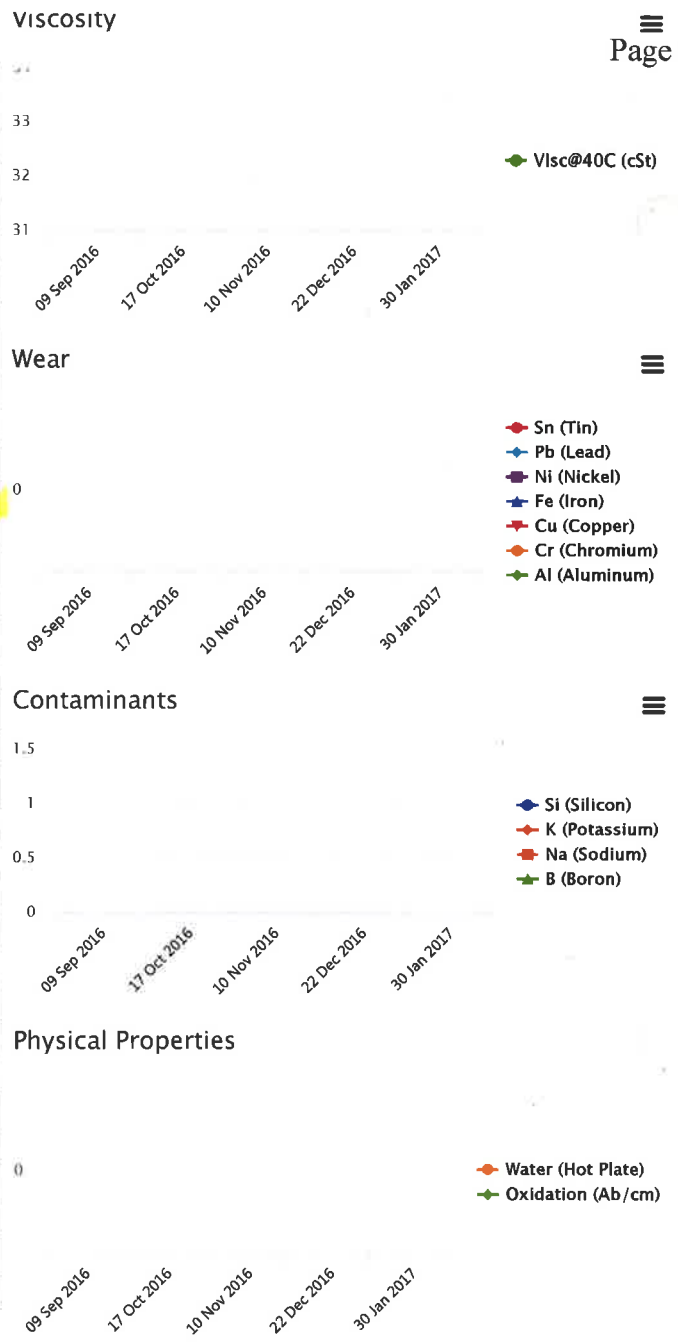
Unit ID: GA006
Description: boiler feed water (B)
Asset ID: 40481413
Asset Class: Circulating System
Manufacturer: BOILER FEED WATER (B)
Model: CIRC RACK

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends



Report Status	Alert	Normal	Normal	Normal	Normal
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	30 Jan 2017
Completed	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	31 Jan 2017
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Alert	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal
Oil Rating	Normal	Normal	Normal	Normal	Normal
Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	33.7	33.0	33.0	31.6	31.7
Water (Hot Plate)	Detected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	0	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	0	0	0	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	0	0	0	1	0
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	0	0	0	0	0
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	1	0	2	1	0
Zn (Zinc)	2	1	1	0	0



Mobil ServSM

Lubricant Analysis

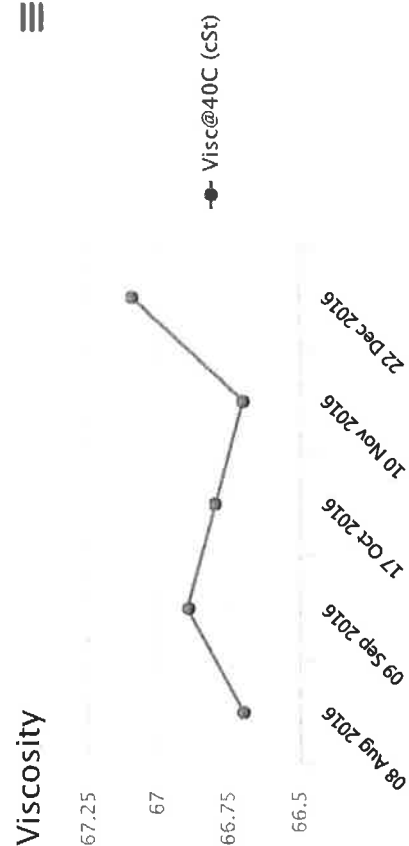
Account Information	Report Status: Normal
Sample Information	Equipment Information

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**
 Sample ID: **16357265036** Unit Id: **GA001**
 Tested Lubricant: **DTE HEAVY MEDIUM** Description: **S.A. fan**
 Sampled: **22 Dec 2016** Asset ID: **40479201**
 Completed: **23 Dec 2016** Asset Class: **Circulating System**
 Manufacturer: **N/A**
 Model: **N/A**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

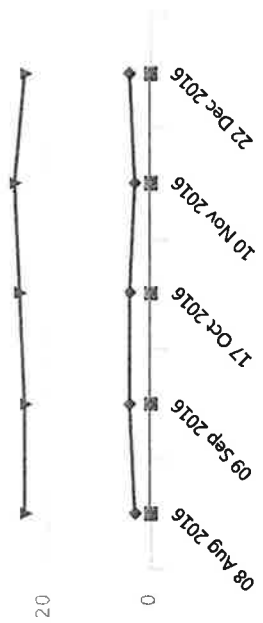
Report Status	Normal	Normal	Normal	Normal	Normal	Normal
Sample ID	16221407018	16253107027	16291373076	16315106025	16357265036	16357265036
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	22 Dec 2016
Completed	09 Aug 2016	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	23 Dec 2016
Equipment Age						
Equipment UOM						
Oil Age						
Oil UOM						
Make-up Volume						
Volume UOM						
Oil Changed						
Filter Changed						
Contamination Rating	Normal	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal	Normal



Sample Info

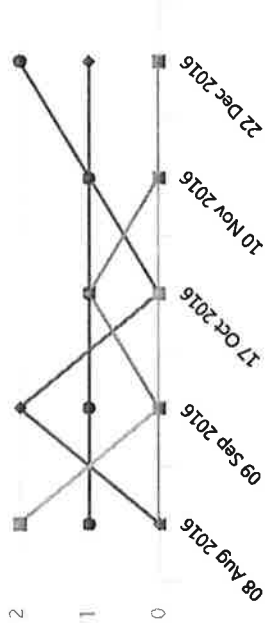
	Oxidation (Ab/cm)	0	0	0	0	0	0	0
	@40C (cSt)	66.7	66.9	66.8	66.7	66.7	66.7	66.7
	Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
	Al (Aluminum)	0	0	0	0	0	0	0
	Cr (Chromium)	0	0	0	0	0	0	0
	Cu (Copper)	24	24	25	26	26	24	24
	Fe (Iron)	0	0	0	0	0	0	0
	Mo (Molybdenum)	0	0	0	0	0	0	0
	Ni (Nickel)	0	0	0	0	0	0	0
	Pb (Lead)	3	4	4	3	4	4	4
	Sn (Tin)	0	0	0	0	0	0	0
	B (Boron)	0	0	1	0	0	0	0
	K (Potassium)	0	2	0	1	1	1	1
	Na (Sodium)	2	0	0	0	0	0	0
	Si (Silicon)	1	1	1	1	1	2	2
	Ba (Barium)	0	0	0	0	0	0	0
	Ca (Calcium)	135	132	132	142	142	126	126
	Mg (Magnesium)	0	1	0	1	1	0	0
	P (Phosphorus)	220	229	234	257	257	222	222
	Zn (Zinc)	275	265	282	275	275	239	239

- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- ◊ Cr (Chromium)
- ◆ Al (Aluminum)



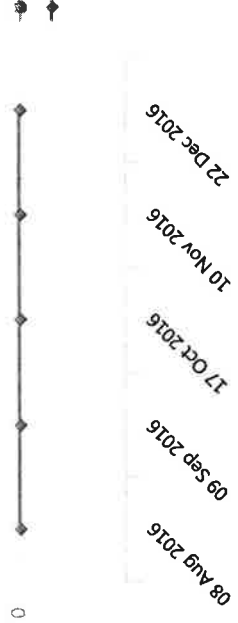
Contaminants

- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)



Physical Properties

- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Mobil ServSM

Lubricant Analysis

Report Status: Normal	
Account Information	Equipment Information
Sample Information	

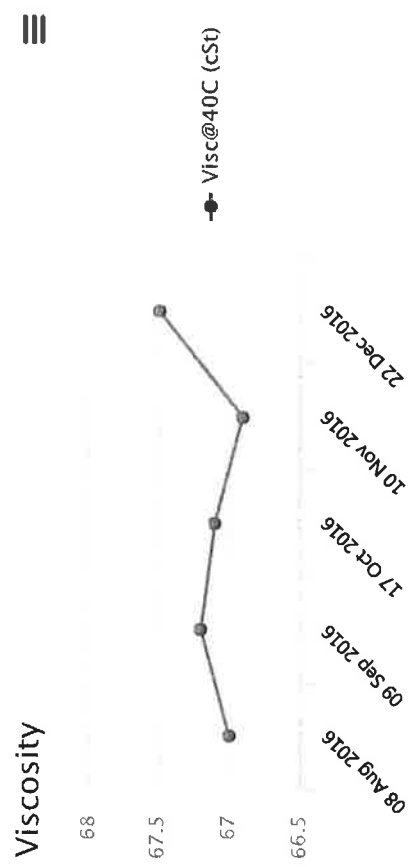
Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample ID: **16357265038**
 Tested Lubricant: **DTE HEAVY MEDIUM**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**
 Unit Id: **GA002**
 Description: **P.A. fan**
 Asset ID: **40481405**
 Asset Class: **Circulating System**
 Manufacturer: **P.A. FAN**
 Model: **BEARING RACK**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends.
 Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal	Normal
Sample ID	16221182073	16253107024	16291373071	16315106023	16357265038	
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	
Completed	09 Aug 2016	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	
Equipment Age						
Equipment UOM						
Oil Age						
Oil UOM						
Make-up Volume						
Volume UOM						
Oil Changed						
Filter Changed						
Contamination Rating	Normal	Normal	Normal	Normal	Normal	
Equipment Rating	Normal	Normal	Normal	Normal	Normal	



	Oxidation (Ab/cm)	0	0	0	0	0	0	0
Water (Hot Plate)	67.0	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
Al (Aluminum)	0	0	0	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0	0	0	0
Cu (Copper)	27	27	27	27	29	27	27	27
Fe (Iron)	0	0	0	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0	0	0	0
Pb (Lead)	3	3	3	3	2	3	3	3
Sn (Tin)	0	0	0	0	1	0	0	0
B (Boron)	0	0	0	0	0	0	0	0
K (Potassium)	0	0	0	0	1	0	2	0
Na (Sodium)	0	0	0	0	0	0	0	0
Si (Silicon)	1	1	1	1	1	2	2	0
Ba (Barium)	0	0	0	0	0	0	0	0
Ca (Calcium)	76	79	81	87	78	78	78	78
Mg (Magnesium)	0	0	0	0	0	0	0	0
P (Phosphorus)	204	229	238	263	230	230	230	230
Zn (Zinc)	255	276	293	294	257	257	257	257

- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- Cr (Chromium)
- ◇ Al (Aluminum)

- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)

- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)

40

20

3

2

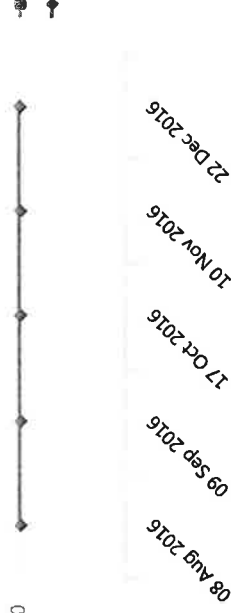
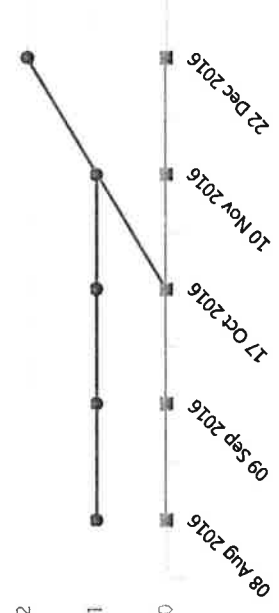
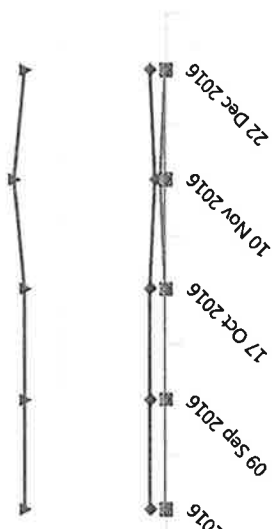
1

0

0

Contaminants

Physical Properties



08 Aug 2016
09 Sep 2016
17 Oct 2016
10 Nov 2016
22 Dec 2016

Mobil ServSM

Lubricant Analysis

Account Information	Report Status: Normal
Sample Information	Equipment Information

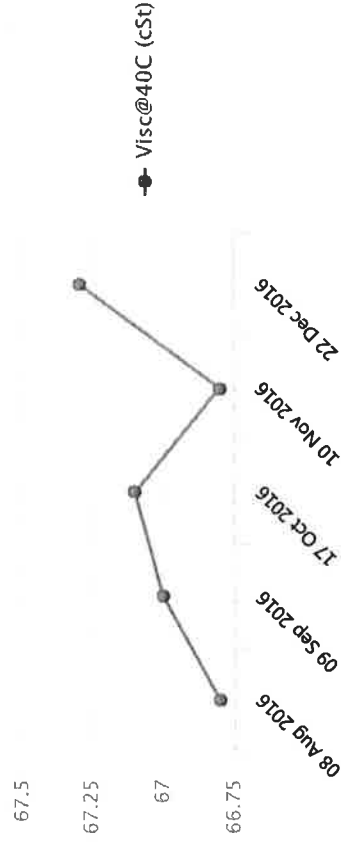
Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**
 Sample ID: **16357265034**
 Tested Lubricant: **DTE HEAVY MEDIUM**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**
 Unit Id: **GA003**
 Description: **ID. fan**
 Asset ID: **40481409**
 Asset Class: **Circulating System**
 Manufacturer: **ID. FAN**
 Model: **BEARING RACK**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

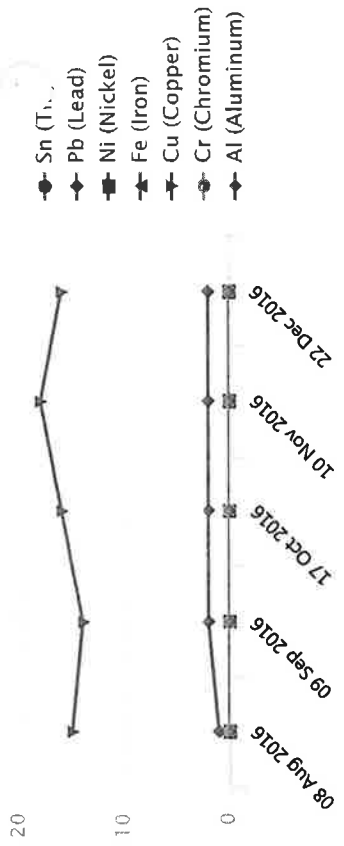
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal	Normal
Sample ID	16221182074	16253107020	16291373075	16315106028	16357265034	
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	
Completed	09 Aug 2016	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	
Equipment Age						
Equipment UOM						
Oil Age						
Oil UOM						
Make-up Volume						
Volume UOM						
Oil Changed						
Filter Changed						
Contamination Rating	Normal	Normal	Normal	Normal	Normal	
Equipment Rating	Normal	Normal	Normal	Normal	Normal	

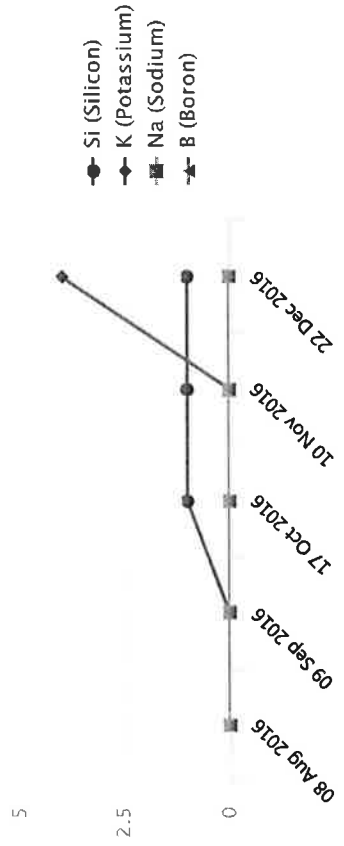
Viscosity



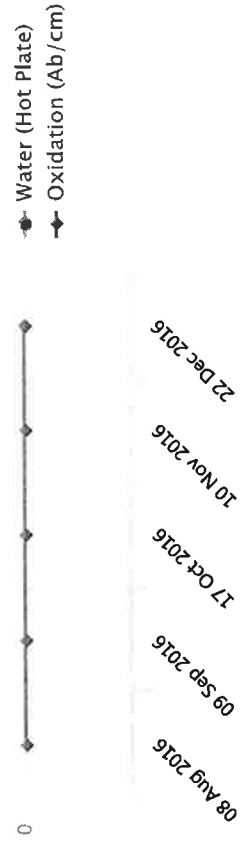
	Oxidation (Ab/cm)	0	0	0	0	0	0	0
	Δ40C (CSt)	66.8	67.0	67.1	66.8	67.1	66.8	67.
	Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Wear (ppm)	Al (Aluminum)	0	0	0	0	0	0	0
	Cr (Chromium)	0	0	0	0	0	0	0
	Cu (Copper)	15	14	16	18	16	18	16
	Fe (Iron)	0	0	0	0	0	0	0
	Mo (Molybdenum)	0	0	0	0	0	0	0
Contaminant (ppm)	Ni (Nickel)	0	0	0	0	0	0	0
	Pb (Lead)	1	2	2	2	2	2	2
	Sn (Tin)	0	0	0	0	0	0	0
	B (Boron)	0	0	0	0	0	0	0
	K (Potassium)	0	0	0	0	0	0	4
Additive (ppm)	Na (Sodium)	0	0	0	0	0	0	0
	Si (Silicon)	0	0	1	1	1	1	1
	Ba (Barium)	0	0	0	0	0	0	0
	Ca (Calcium)	16	14	13	14	14	12	12
	Mg (Magnesium)	0	0	0	0	0	0	0
P (Phosphorus)	122	130	142	156	142	125	125	
Zn (Zinc)	103	108	113	117	113	102	102	



Contaminants



Physical Properties



Mobil ServSM

Lubricant Analysis

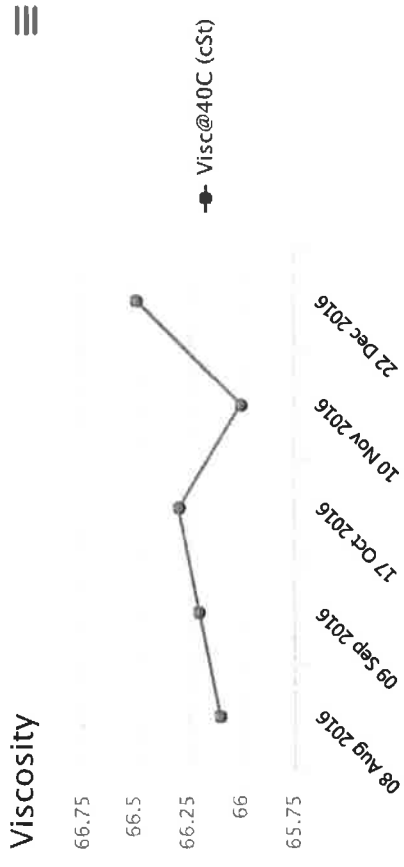
Report Status: Normal	
Account Information	Equipment Information
Sample Information	

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**
 Sample ID: **16357265042**
 Tested Lubricant: **DTE HEAVY MEDIUM**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**
 Unit Id: **GA004**
 Description: **FGR fan**
 Asset ID: **40481410**
 Asset Class: **Circulating System**
 Manufacturer: **FGR FAN**
 Model: **BEARING RACK**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

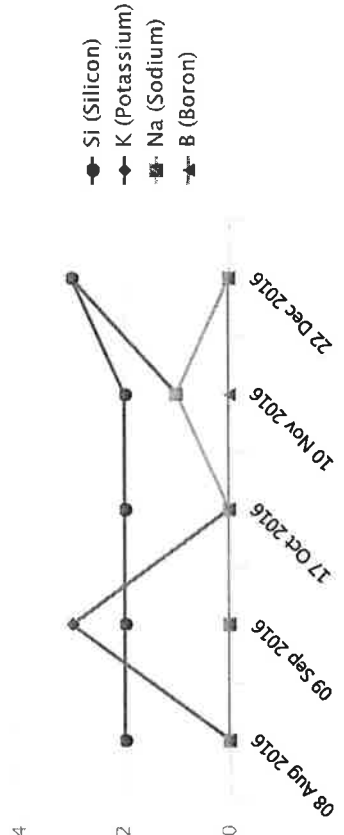
Report Status	Caution	Normal	Caution	Caution	Normal
Sample ID	16221182071	16253107028	16291373074	16315106021	16357265042
Tested Lubricant	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016
Completed	09 Aug 2016	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Caution	Normal	Caution	Caution	Normal



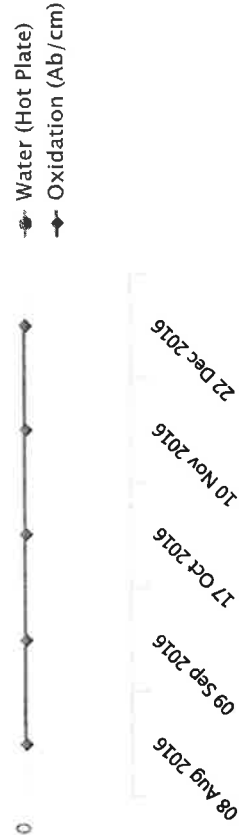
	Oxidation (Ab/cm)	0	0	0	0	0
Water (Hot Plate)	66.1	66.2	66.3	66.0	66.0	66.0
Al (Aluminum)	0	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0	0
Cu (Copper)	42	39	40	40	39	39
Fe (Iron)	0	0	0	0	0	0
Mo (Molybdenum)	0	0	0	1	0	0
Ni (Nickel)	0	0	0	0	0	0
Pb (Lead)	2	3	5	3	4	4
Sn (Tin)	0	0	0	2	0	0
B (Boron)	0	0	0	0	0	0
K (Potassium)	0	3	0	1	3	3
Na (Sodium)	0	0	0	1	0	0
Si (Silicon)	2	2	2	2	3	3
Ba (Barium)	0	0	0	0	0	0
Ca (Calcium)	98	96	98	102	98	98
Mg (Magnesium)	0	0	0	0	0	0
P (Phosphorus)	217	230	243	259	228	228
Zn (Zinc)	256	260	275	259	248	248



Contaminants



Physical Properties





Mobil ServSM

Lubricant Analysis

Account Information	Report Status: Normal
Sample Information	Equipment Information

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

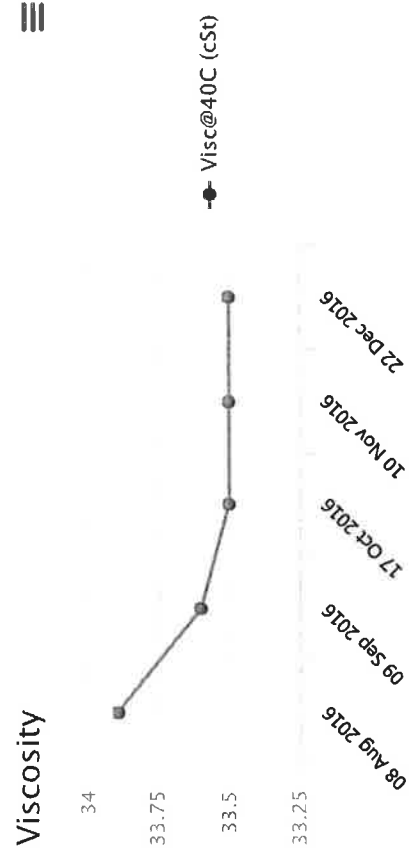
Sample ID: **16357265037**
 Tested Lubricant: **MOBIL DTE 732**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Unit Id: **GA005**
 Description: **boiler feed water pump (A)**
 Asset ID: **40481412**
 Asset Class: **Circulating System**
 Manufacturer: **BOILER FEED PUMP**
 Model: **CIRC RACK**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Sample ID	16221407015	16253107021	16291373077	16315106026	16357265037		
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732		
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016		
Completed	09 Aug 2016	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016		
Equipment Age							
Equipment UOM							
Oil Age							
Oil UOM							
Make-up Volume							
Volume UOM							
Oil Changed							
Filter Changed							
Contamination Rating	Normal	Normal	Normal	Normal	Normal		
Equipment Rating	Normal	Normal	Normal	Normal	Normal		



	Oxidation (Ab/cm)	0	0	0	0	0	0	0
40C (cst)	33.9	NotDetected	33.6	NotDetected	33.5	NotDetected	33.5	NotDetected
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0	0	0	0
Cu (Copper)	0	0	0	0	0	0	0	0
Fe (Iron)	0	0	0	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0	0	0	0
Pb (Lead)	0	0	0	0	0	0	0	0
Sn (Tin)	0	0	0	0	0	1	0	0
B (Boron)	0	0	0	0	0	0	0	0
K (Potassium)	0	0	0	0	0	0	1	0
Na (Sodium)	3	0	0	0	0	0	0	0
Si (Silicon)	0	0	0	0	0	0	3	0
Ba (Barium)	0	0	0	0	0	0	0	0
Ca (Calcium)	2	0	0	0	0	0	0	0
Mg (Magnesium)	0	0	0	0	0	0	0	0
P (Phosphorus)	6	0	0	0	0	0	0	1
Zn (Zinc)	12	2	2	2	2	2	2	2

Wear (ppm)

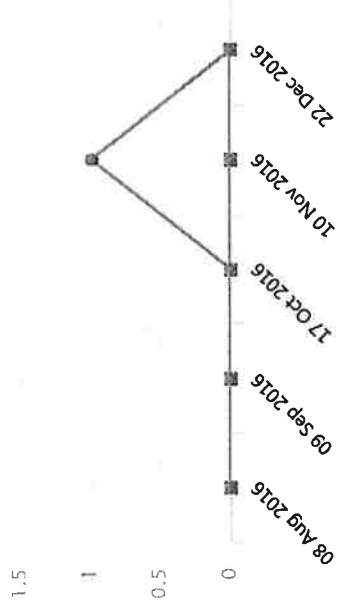
Contaminant (ppm)

Additive (ppm)

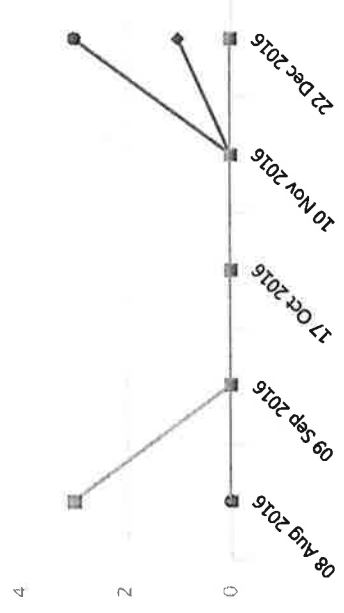
- Sn (Tin)
- Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- Cr (Chromium)
- Al (Aluminum)

- Si (Silicon)
- K (Potassium)
- Na (Sodium)
- ▲ B (Boron)

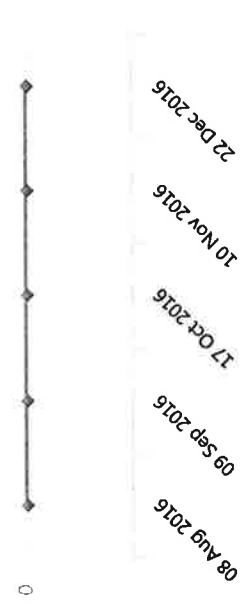
- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Contaminants



Physical Properties



Mobil Serv™

Lubricant Analysis

Report Status: Normal	
Account Information	Equipment Information
Sample Information	Equipment Information
Account Number: 318801	Unit Id: GA006
Account Name: Gainesville Renewable Energy Center / POWER HOUSE	Description: boiler feed water (B)
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Asset ID: 40481413
Telephone: 386-315-8024	Asset Class: Circulating System
Parent Account: Gainesville Renewable Energy Center	Manufacturer: BOILER FEED WATER (B)
	Model: CIRC RACK

Sample ID: **16357265045**
 Tested Lubricant: **MOBIL DTE 732**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

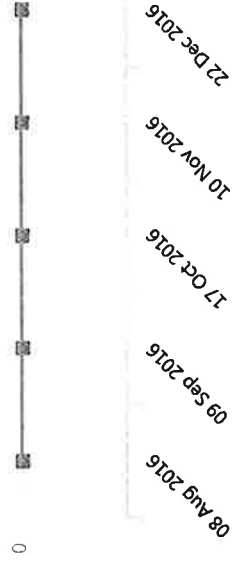
Report Status	Normal	Alert	Normal	Normal	Normal
Sample ID	16221182070	16253107022	16291373072	16315106022	16357265045
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016
Completed	09 Aug 2016	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Alert	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal

Viscosity

Date	Viscosity (cSt)
08 Aug 2016	33.5
09 Sep 2016	33.5
17 Oct 2016	33.5
10 Nov 2016	33.5
22 Dec 2016	32.5

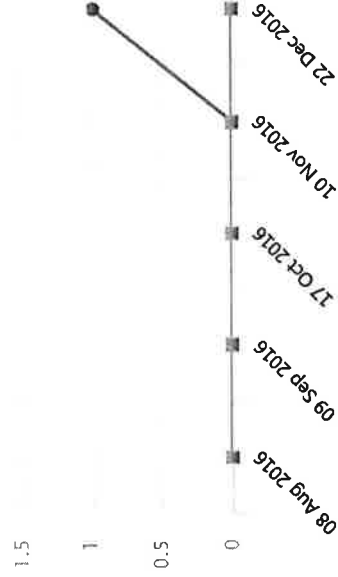
	Oxidation (Ab/cm)	0	0	0	0	0	
	340C (cSt)	33.7	33.7	33.0	33.0	31.	
	Water (Hot Plate)	NotDetected	Detected	NotDetected	NotDetected	NotDetected	
Wear (ppm)	Al (Aluminum)	0	0	0	0	0	
	Cr (Chromium)	0	0	0	0	0	
	Cu (Copper)	0	0	0	0	0	
	Fe (Iron)	0	0	0	0	0	
	Mo (Molybdenum)	0	0	0	0	0	
	Ni (Nickel)	0	0	0	0	0	
	Pb (Lead)	0	0	0	0	0	
	Sn (Tin)	0	0	0	0	0	
	B (Boron)	0	0	0	0	0	
	K (Potassium)	0	0	0	0	0	
Contaminant (ppm)	Na (Sodium)	0	0	0	0	0	
	Si (Silicon)	0	0	0	0	1	
	Ba (Barium)	0	0	0	0	0	
	Ca (Calcium)	0	0	0	0	0	
	Mg (Magnesium)	0	0	0	0	0	
	P (Phosphorus)	3	1	0	2	1	
	Zn (Zinc)	1	2	1	1	0	
	Additive (ppm)						

- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- ⊖ Cr (Chromium)
- ◆ Al (Aluminum)



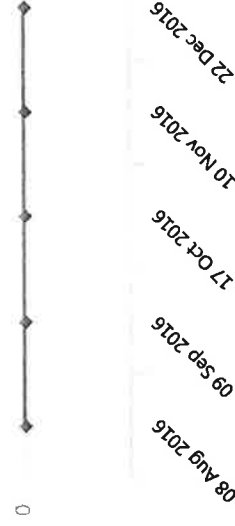
Contaminants

- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)



Physical Properties

- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Mobil ServSM

Lubricant Analysis

Report Status: Normal	
Account Information	Equipment Information
Sample Information	

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

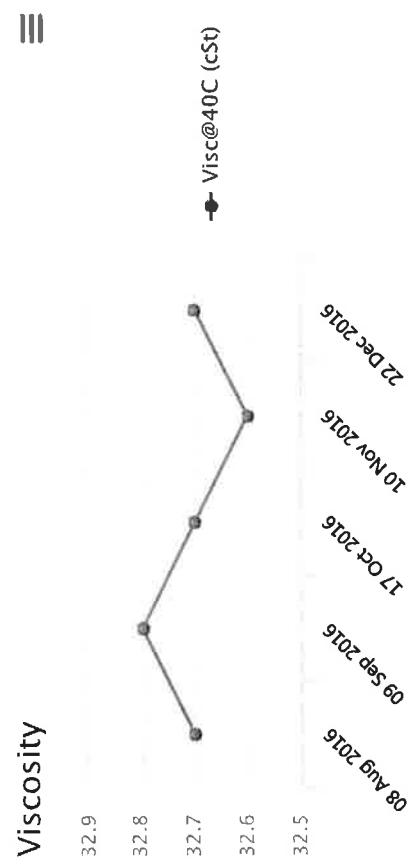
Sample ID: **16357265043**
 Tested Lubricant: **MOBIL DTE 732**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Unit Id: **GA00Z**
 Description: **turbine circ oil**
 Asset ID: **40465059**
 Asset Class: **Steam Turbine**
 Manufacturer:
 Model: **N/A**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends.
 Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

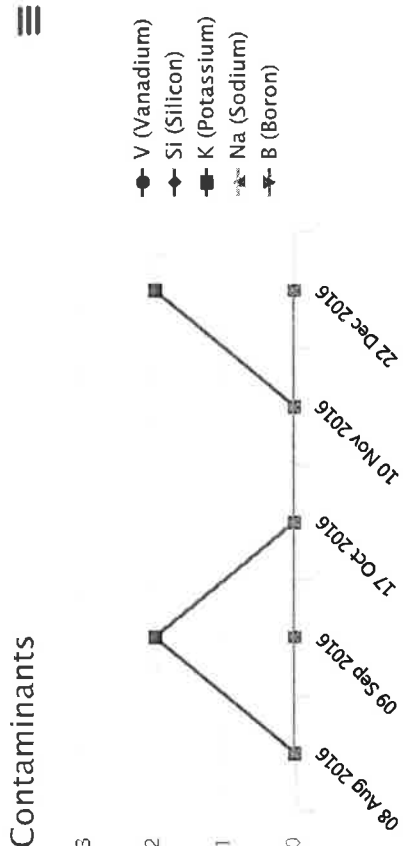
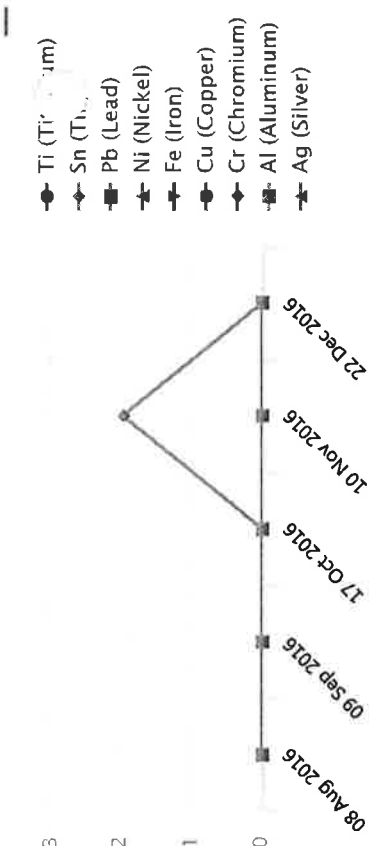
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal	Normal
Sample ID	16221182072	16253107023	16291373073	16315106020	16357265043	Normal
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	22 Dec 2016
Completed	09 Aug 2016	13 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	23 Dec 2016
Equipment Age						
Equipment UOM						
Oil Age						
Oil UOM						
Make-up Volume						
Volume UOM						
Oil Changed						
Filter Changed						
Contamination Rating	Normal	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal	Normal

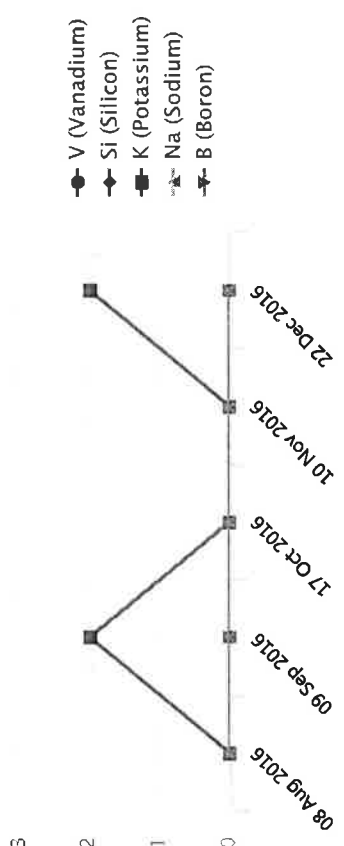


Sample Info

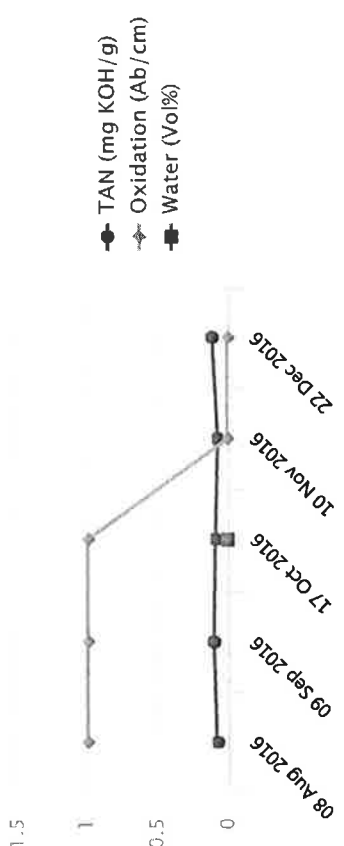
Lubricant	1	1	1	1	0	0
Oxidation (Ab/cm)	0.08	0.10	0.09	0.07	0.1.	0.1.
Visc@40C (cSt)	32.7	32.8	32.7	32.6	32.7	32.7
Water (Vol%)	<0.003	<0.003	0.006	<0.003	<0.003	<0.003
Ag (Silver)	0	0	0	0	0	0
Al (Aluminum)	0	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0	0
Cu (Copper)	0	0	0	0	0	0
Fe (Iron)	0	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0	0
Pb (Lead)	0	0	0	0	0	0
Sn (Tin)	0	0	0	2	0	0
Ti (Titanium)	0	0	0	0	0	0
B (Boron)	0	0	0	0	0	0
K (Potassium)	0	2	0	0	2	2
Na (Sodium)	0	0	0	0	0	0
Si (Silicon)	0	0	0	0	0	0
V (Vanadium)	0	0	0	0	0	0
Ba (Barium)	0	0	0	0	0	0
Ca (Calcium)	0	0	0	1	1	1
Mg (Magnesium)	0	0	0	0	0	0
P (Phosphorus)	1	0	1	1	1	1
Zn (Zinc)	0	0	0	0	1	1



Contaminants



Physical Properties



Contaminant (ppm)	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016
Ti (Titanium)	0	0	0	0	0
Sn (Tin)	0	2	0	0	0
Pb (Lead)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
V (Vanadium)	0	0	0	0	0
Si (Silicon)	0	0	0	0	0
K (Potassium)	0	2	0	0	2
Na (Sodium)	0	0	0	0	0
B (Boron)	0	0	0	0	0
Ca (Calcium)	0	0	0	1	1
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	1	0	1	1	1
Zn (Zinc)	0	0	0	0	1

Mobil ServSM

Lubricant Analysis

Report Status: Normal	
Account Information	Equipment Information
Sample Information	

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

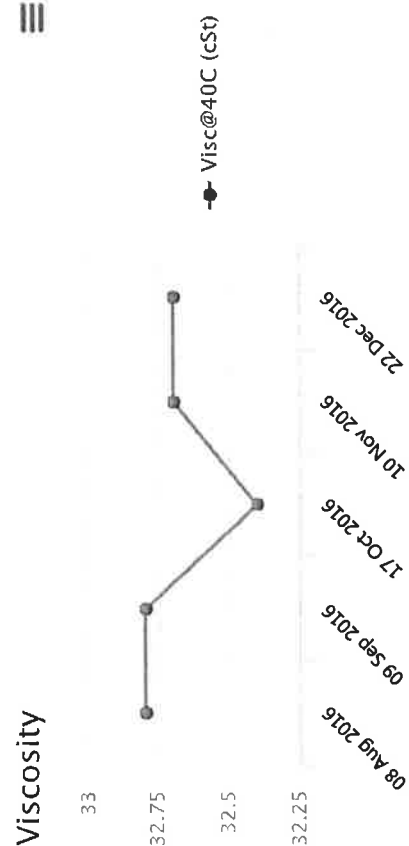
Sample ID: **16357265044**
 Tested Lubricant: **MOBIL DTE 732**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Unit Id: **GA008**
 Description: **turbine control oil (hydac)**
 Asset ID: **40481416**
 Asset Class: **Circulating System**
 Manufacturer: **HYDAC**
 Model: **HYDAC CONTROL RACK**

Recommendation/Comments: **NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.**

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal	Normal
Sample ID	16221182075	16253107040	16291348003	16315106024	16357265044	Normal
Tested Lubricant	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732	MOBIL DTE 732
Sampled	08 Aug 2016	09 Sep 2016	17 Oct 2016	10 Nov 2016	22 Dec 2016	22 Dec 2016
Completed	09 Aug 2016	12 Sep 2016	18 Oct 2016	11 Nov 2016	23 Dec 2016	23 Dec 2016
Equipment Age						
Equipment UOM						
Oil Age						
Oil UOM						
Make-up Volume						
Volume UOM						
Oil Changed						
Filter Changed						
Contamination Rating	Normal	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal	Normal



Sample Info

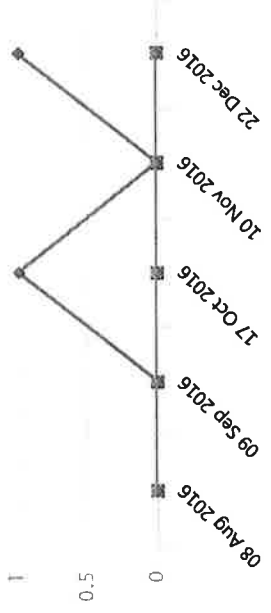
	1	1	1	1	1
Oxidation (Ab/cm)	1	1	1	1	1
40C (CS)	32.8	32.8	32.4	32.7	32.4
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	1	0	1
Sn (Tin)	0	0	0	0	0
B (Boron)	0	0	0	0	0
K (Potassium)	0	2	0	0	0
Na (Sodium)	0	1	4	1	0
Si (Silicon)	0	0	0	0	0
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	8	8	9	10	9
Mg (Magnesium)	0	1	1	1	1
P (Phosphorus)	9	11	9	11	9
Zn (Zinc)	15	15	19	19	17

Wear (ppm)

Contaminant (ppm)

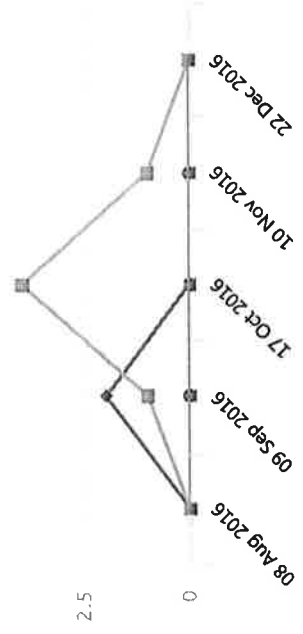
Additive (ppm)

- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- Cr (Chromium)
- ◆ Al (Aluminum)



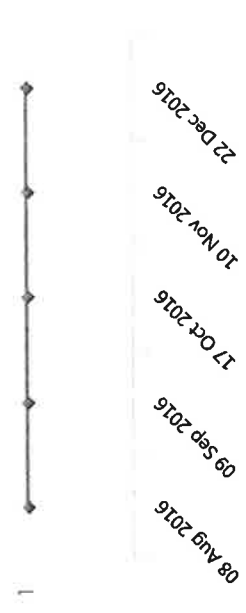
Contaminants

- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)



Physical Properties

- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Mobil ServSM

Lubricant Analysis

Account Information	Report Status: Normal
Sample Information	Equipment Information

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample ID: **16357265046**
 Tested Lubricant: **DTE HEAVY MEDIUM**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

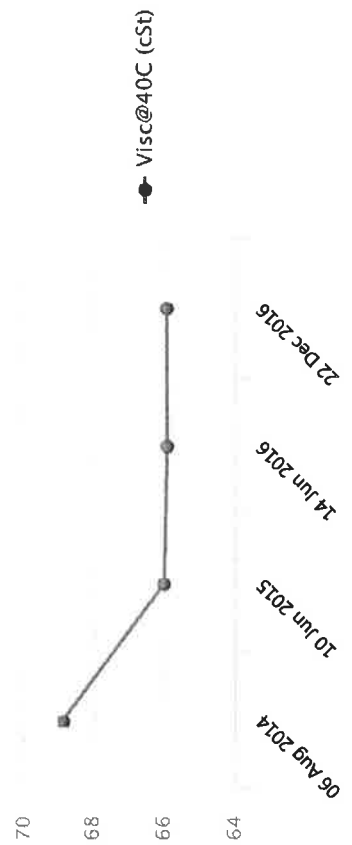
Unit Id: **GA009**
 Description: **condensate pump (A)**
 Asset ID: **40481418**
 Asset Class: **Circulating System**
 Manufacturer: **CONDENSATE PUMP**
 Model: **MOTOR BEARINGS**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

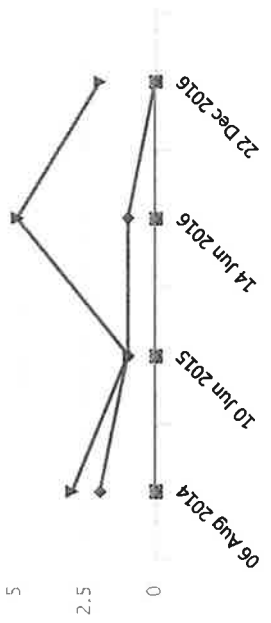
Report Status	Normal	Normal	Alert	Normal
Sample ID	14230155058	15161171071	16166398062	16357265046
Tested Lubricant	MOBIL DTE OIL HEAVY MEDIUM	MOBIL DTE OIL HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	06 Aug 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	23 Dec 2016
Equipment Age				
Equipment UOM				
Oil Age				
Oil UOM				
Make-up Volume				
Volume UOM				
Oil Changed				
Filter Changed				
Contamination Rating	Normal	Normal	Alert	Normal
Equipment Rating	Normal	Normal	Normal	Normal

Viscosity



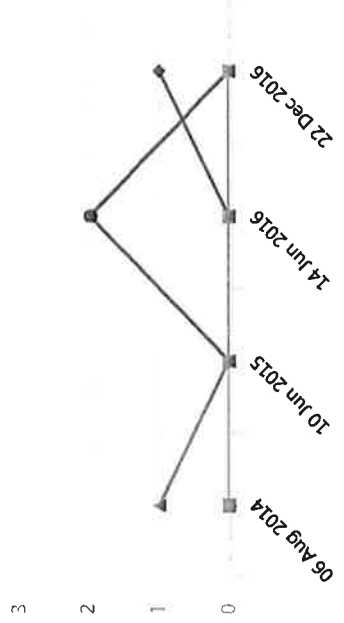
	Oxidation (Ab/cm)		Water (Hot Plate)	
	Not Detected	Detected	Not Detected	Detected
40C (cSt)	68.9	65.9	66.0	65.9
Al (Aluminum)	0	0	0	0
Cr (Chromium)	0	0	0	0
Cu (Copper)	3	5	1	2
Fe (Iron)	0	0	0	0
Mo (Molybdenum)	0	0	0	0
Ni (Nickel)	0	0	0	0
Pb (Lead)	2	1	1	0
Sn (Tin)	0	0	0	0
B (Boron)	1	0	0	0
K (Potassium)	0	0	0	1
Na (Sodium)	0	0	0	0
Si (Silicon)	0	2	0	0
Ba (Barium)	0	0	0	0
Ca (Calcium)	150	21	30	5
Mg (Magnesium)	0	0	0	0
P (Phosphorus)	199	150	164	140
Zn (Zinc)	272	118	141	103

- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▲ Cu (Copper)
- ▲ Cr (Chromium)
- ▲ Al (Aluminum)



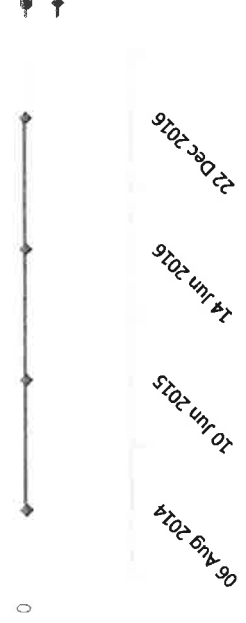
Contaminants

- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)



Physical Properties

- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Mobil ServSM

Lubricant Analysis

Report Status: Normal	
Account Information	Equipment Information
Sample Information	

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

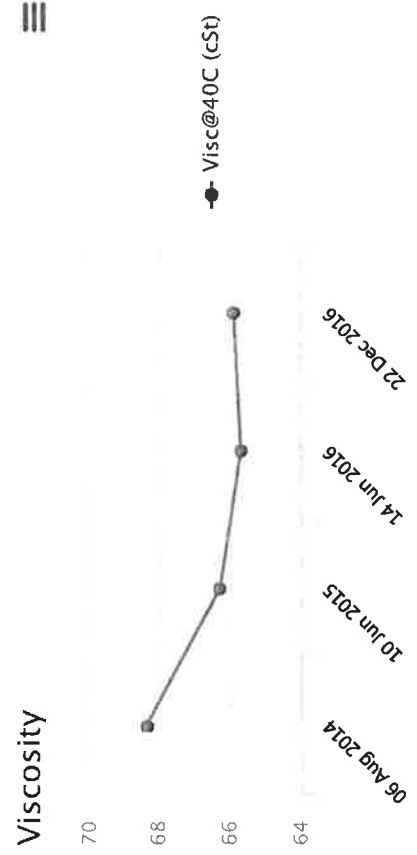
Sample ID: **16357265041**
 Tested Lubricant: **DTE HEAVY MEDIUM**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Unit Id: **GA010**
 Description: **condensate pump (B)**
 Asset ID: **40481423**
 Asset Class: **Circulating System**
 Manufacturer: **CONDENSATE PUMP**
 Model: **MOTOR BEARING**

Recommendation/Comments: **NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.**

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	14230155076	15161145050	16166398065	16357265041	
Tested Lubricant	MOBIL DTE OIL HEAVY MEDIUM	MOBIL DTE OIL HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	
Sampled	06 Aug 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016	
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	23 Dec 2016	
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	
Equipment Rating	Normal	Normal	Normal	Normal	



	Oxidation (Ab/cm)	0	0	0	0
Water (Hot Plate)	68.4	66.3	65.7	65.9	65.9
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	3	3	9	12	12
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	1	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	5	2	1	0	0
Sn (Tin)	0	0	0	0	0
B (Boron)	1	0	0	0	0
K (Potassium)	0	3	0	4	4
Na (Sodium)	0	2	0	0	0
Si (Silicon)	6	0	2	3	3
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	164	27	26	27	27
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	209	171	153	151	151
Zn (Zinc)	294	136	129	124	124

Wear (ppm)

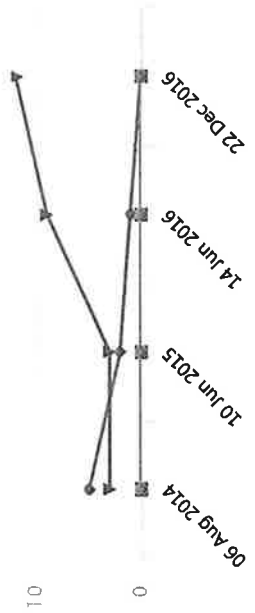
Contaminant (ppm)

Additive (ppm)

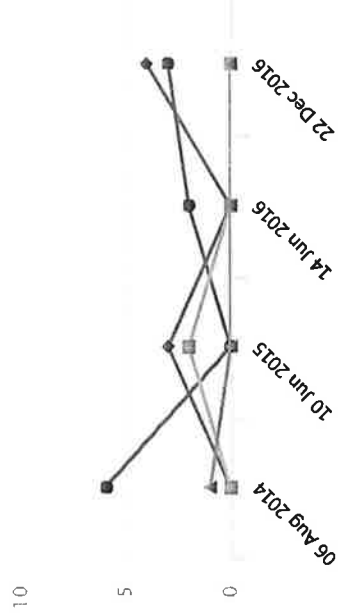
- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- Cr (Chromium)
- ◇ Al (Aluminum)

- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)

- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Contaminants



Physical Properties

