Example Report

Asset Health Management

Generator Health Report

pragma

[P00015] - Generator, CPT Building

Asset Code:	P00015
Generator Size (kVA):	62.5
Engine Manufacturer:	Deutz (water-cooled)
Fuel Tank Capacity:	200 L (160 usable fuel volume)
Installation Date:	2008
Engine Total Run Time (Hrs):	795.24 *(Reading at 13 Oct 2022)*
Last Service Date:	12 Sep 2022 at 678 hrs
Hours Since Last Service:	117.24

Work Performed

WO Code	Completed On	Work Performed	Type of Work
R00729	14 Sep 2022	Work Order Closed - see S00085	Inspections
S00085	12 Sep 2022	Complete Yearly Service - see attached service sheet (in Documents)	Usage-based mainte
S00093	24 Sep 2022	Inspection Completed - see email with photos that Roeshana had observed @ the machine	Inspections
R02054	12 Sep 2022	Refilled the fuel tank	Refuel
R02105	16 Sep 2022	Refilled (not completely full though) @ about 15:00 on Friday, 16 September - 131 litres	Refuel
R02108	21 Sep 2022	Refilled @ 12:00 on Wednesday, 21 September - 108 litres	Refuel
R02113	23 Sep 2022	Topped up fuel - 75 litres	Refuel
R02121	27 Sep 2022	Topped up fuel - 96 litres	Refuel
R02143	30 Sep 2022	Topped up fuel - 92 litres	Refuel
R02165	18 Sep 2022	MorneS - Topped up with 98.67 litres (left 23.915 litre for filling later in September)	Refuel

To be performed and Outstanding Work

WO Code	Required By	Status	
R02196	06 Oct 2022	To Be Performed	Refuel

Refuel generator (Fuel level <40%).
Please execute only within office hours, taking loadshedding into consideration, but not later than Thursday, 06 October 2022 at 10:00.

Please use the Work Manager App to track progress. Connection details are:
Server URL: https://asp3.pragmaproducts.com/AssetHealthManagement/
Username: CON-SMESS - 1
Password: 1234

S00104	24 Oct 2022	To Be Performed	Inspections

Monthly inspection for October 2022:
- Visual inspection
- Start-up and Load Test

Reminder to take along the following:
(1) Torch/light source for dark areas within the generator
(2) Cloth/paper towel to wipe the oil dipstick with

Note: Preferably perform the load testing outside of trading hours or at a time when it will have the least amount of impact on operations. Ensure all relevant people are informed of the intention to perform a load test, which will cut the incoming power just before change-over.

Running Hours
Per Month and Accumulative
Hours
800
700
600
500
400
300
200
100
0
470
496
497
497
509
524
542
553
586
657
662
769
23
26
1
1
11
15
19
10
34
71
5
107
Oct 2021
Nov 2021
Dec 2021
Jan 2022
Feb 2022
Mar 2022
Apr 2022
May 2022
Jun 2022
Jul 2022
Aug 2022
Sep 2022

Number of Starts
Per Month and Accumulative
Number of Starts
600
500
400
300
200
100
0
351
364
367
368
372
380
391
398
416
454
461
518
9
13
1
1
4
8
11
7
18
38
7
57
Oct 2021
Nov 2021
Dec 2021
Jan 2022
Feb 2022
Mar 2022
Apr 2022
May 2022
Jun 2022
Jul 2022
Aug 2022
Sep 2022

Fuel Level
Fuel level (%)
100
80
60
40
20
0
01 Oct 2021
01 Nov 2021
06 Dec 2021
06 Jan 2022
06 Feb 2022
09 Mar 2022
09 Apr 2022
10 May 2022
10 Jun 2022
11 Jul 2022
11 Aug 2022
11 Sep 2022

Current per Phase
Amps
70
60
50
40
30
20
10
0
09 Oct 2021
27 Oct 2021
18 Nov 2021
09 Mar 2022
18 Apr 2022
12 May 2022
23 Jun 2022
30 Jun 2022
07 Jul 2022
14 Jul 2022
11 Aug 2022
13 Sep 2022
20 Sep 2022
27 Sep 2022
Current_L1_Generator
Current_L2_Generator
Current_L3_Generator

Power Delivered
kVA
70
60
50
40
30
20
10
0
23 33 0 31 22 28 29 35 18 23 22 20 34 21 21 31 26 20 23 22 31 30 34 32 36 20 20 30 19 18 22 43 42 37
03 Oct 2021
24 Oct 2021
14 Nov 2021
30 Jan 2022
06 Mar 2022
17 Apr 2022
15 May 2022
19 Jun 2022
10 Jul 2022
31 Jul 2022
04 Sep 2022
25 Sep 2022

Coolant Temperature (Max and Min)
Coolant Temperature (C)
100
80
60
40
20
0
79 84 46 81 77 80 80 85 35 37 78 79 82 79 85 78 79 82 80 78 81 79 80 80 82 80 82 77 78 80 80 76 79 87 83 86
35 35 35 35 35 35 35 35 35 35 35 35 35 35 35 36 35 35 35 35 35 35 35 35 35 35 35 35 35 35 35 36 36 35 35 35
03 Oct 2021
24 Oct 2021
14 Nov 2021
16 Jan 2022
06 Feb 2022
13 Mar 2022
01 May 2022
22 May 2022
26 Jun 2022
17 Jul 2022
07 Aug 2022
11 Sep 2022

Generator Frequency
Hertz
60
50
40
30
20
10
0
51 52 52 52 52 51 52 51 51 52 52 52 52
19 Jun 2022
26 Jun 2022
03 Jul 2022
10 Jul 2022
17 Jul 2022
24 Jul 2022
31 Jul 2022
07 Aug 2022
14 Aug 2022
04 Sep 2022
11 Sep 2022
18 Sep 2022
25 Sep 2022

Oil Pressure (Max)
Oil Pressure
1000
800
600
400
200
0
22 Jun 2022
26 Jun 2022
30 Jun 2022
04 Jul 2022
08 Jul 2022
12 Jul 2022
19 Jul 2022
06 Aug 2022
09 Sep 2022
13 Sep 2022
17 Sep 2022
21 Sep 2022
25 Sep 2022
29 Sep 2022