

## NDB 2-Vibration Report

**We found vibration under limit for the machineries in this section. The vibration for Emergency fire pump was on the higher side**

Name	Type	Date	Value	Unit
<b>DDS 2014\Kara G-ndb2\01-Aux blwr fwd NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 15:46:02	4.18	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 15:46:06	1.69	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 15:46:55	2.88	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 15:46:59	0.991	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 15:47:51	3.49	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 15:47:55	0.372	g
<b>DDS 2014\Kara G-ndb2\ 02--Aux blwr fwd DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 15:49:01	0.634	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 15:49:05	1.05	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 15:49:45	0.858	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 15:49:48	0.828	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 15:50:32	3.16	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 15:50:36	0.907	g
<b>DDS 2014\Kara G-ndb2\ 03-Aux Blwr aft NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 16:11:05	5.79	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 16:11:08	0.719	g
Point 1-H\Demod_RMS	Dmd-Wb < None >	3/12/2016 16:11:28	1.19	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 16:11:56	5.81	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 16:11:59	0.511	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 16:12:37	4.91	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 16:12:41	0.22	g
<b>DDS 2014\Kara G-ndb2\ 05-No 1 Steering Gear Mot NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:17:58	2.19	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:18:01	0.224	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:18:37	1.04	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:18:41	0.189	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:19:24	2.79	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:19:28	0.129	g
<b>DDS 2014\Kara G-ndb2\ 06-No 1 Steering Gear Mot DE</b>				

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Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:20:16	2.55	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:20:21	0.208	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:20:58	0.908	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:21:02	0.497	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:21:44	2.01	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:21:48	0.29	g
<b>DDS 2014\Kara G-ndb2\ 07--No 2 Steering Gear Mot NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:43:27	1.75	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:43:30	0.596	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:44:11	2.13	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:44:15	1.12	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:44:49	2.38	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:44:53	1	g
<b>DDS 2014\Kara G-ndb2\08-No 2 Steering Gear Mot DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:45:47	2.68	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:45:50	1.15	g
Point 1-H\DEMOD RMS	Dmd-Wb < None >	3/12/2016 17:46:09	1.87	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:46:36	2.52	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:46:40	2.01	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 17:47:18	2.12	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 17:47:22	1.18	g
<b>DDS 2014\Kara G-ndb2\ 09-Emergency Fire pp Mot NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:14:13	9.72	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:14:18	1.05	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:14:59	8.68	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:15:03	0.903	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:15:43	2.87	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:15:48	0.381	g
<b>DDS 2014\Kara G-ndb2\10-Emergency Fire pp Mot DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:16:37	6.9	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:16:40	1.66	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:17:16	5.85	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:17:21	2.13	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:17:57	2.21	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:18:01	1.67	g

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<b>DDS 2014\Kara G-ndb2\ 11-Emergency Fire pp DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:19:29	1.91	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:19:34	1.07	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:21:55	2.22	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:21:59	0.429	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 19:22:39	1.78	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 19:22:43	0.619	g
<b>DDS 2014\Kara G-ndb2\ 12-NO 3 Mooring Winch Mot NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:08:10	1.08	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:08:14	1.82	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:09:37	0.606	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:09:41	1.75	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:10:21	1.01	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:10:25	0.44	g
<b>DDS 2014\Kara G-ndb2\ 13-No3 Mooring Winch Mot DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:11:08	1.13	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:11:12	1.61	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:11:54	1.1	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:11:58	1.65	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:12:34	0.938	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:12:38	1.28	g
<b>DDS 2014\Kara G-ndb2\14-No4 Mooring Winch Mot NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:14:14	1.47	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:14:18	0.863	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:14:52	0.933	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:14:57	0.932	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:15:32	0.981	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:15:37	0.197	g
<b>DDS 2014\Kara G-ndb2\15-No4 Mooring Winch Mot DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:16:21	1.79	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:16:26	0.98	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:17:04	0.87	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:17:08	0.871	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 20:17:45	0.905	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 20:17:49	0.576	g

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<b>DDS 2014\Kara G-ndb2\16-Fire PP Mot NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:05:32	8.78	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:05:36	4.5	g
Point 1-H\Demod_RMS	Dmd-Wb < None >	3/12/2016 21:05:55	10.5	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:06:52	4.44	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:06:56	4.57	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:07:34	1.56	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:07:38	2.43	g
Point 3-A\Demod_RMS	Dmd-Wb < None >	3/12/2016 21:07:53	5.6	g
<b>DDS 2014\Kara G-ndb2\17-Fire PP Mot DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:08:30	3.71	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:08:34	1.98	g
Point 1-H\Demod_RMS	Dmd-Wb < None >	3/12/2016 21:08:53	4.38	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:09:21	3.28	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:09:25	10.4	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:10:00	2.07	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:10:04	1.58	g
<b>DDS 2014\Kara G-ndb2\18-GS pp Mot NDE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:28:07	5.41	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:28:10	1.69	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:28:53	4.22	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:28:57	2.06	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:29:39	1.68	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:29:43	1.27	g
<b>DDS 2014\Kara G-ndb2\19--GS pp Mot DE</b>				
Point 1-H\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:31:15	6.26	mm/s
Point 1-H\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:31:20	2.33	g
Point 1-H\Demod_RMS	Dmd-Wb < None >	3/12/2016 21:31:37	4.83	g
Point 2-V\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:32:03	3.46	mm/s
Point 2-V\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:32:08	4.36	g
Point 3-A\Vel_RMS	Vel RMS (600 - 60,000 [RPM])	3/12/2016 21:32:47	2.49	mm/s
Point 3-A\Acc_RMS	Acc RMS (30,000 - 960,000 [RPM])	3/12/2016 21:32:50	2.68	g

**Emergency Fire pump & Fire Pump have High Vibration levels 9.72 and 8.78 mm/s RMS. But within the limit of 12 mm/s RMS value**