MINESTAR REPORTING

Standard Reports and Dashboards

December 2024

MineStar Reporting Terminology

Common Features in MineStar Reports

Report Item	Definition	Examples
Select Parameters	Filters. Customizable by the user. Allows user to limit data in the report. Also allows you to select the order data is displayed. Applies limits to entire report. All Reports Include Date and Operation filters	*Select certain time period, fleet type, phase, ore material, operator, and more…*
Group By	Allow for report to be aggregated by certain measures or metrics	*Can view tons by material type, by fleet, or by loader*
Time Metrics	Time calculations for tracking mine operations	*Utilization, Availability, Effective Utilization*
Smart Date	Allows for dynamic dates relative to time	*Last 30 days, current shift, previous shift*

Report Navigation

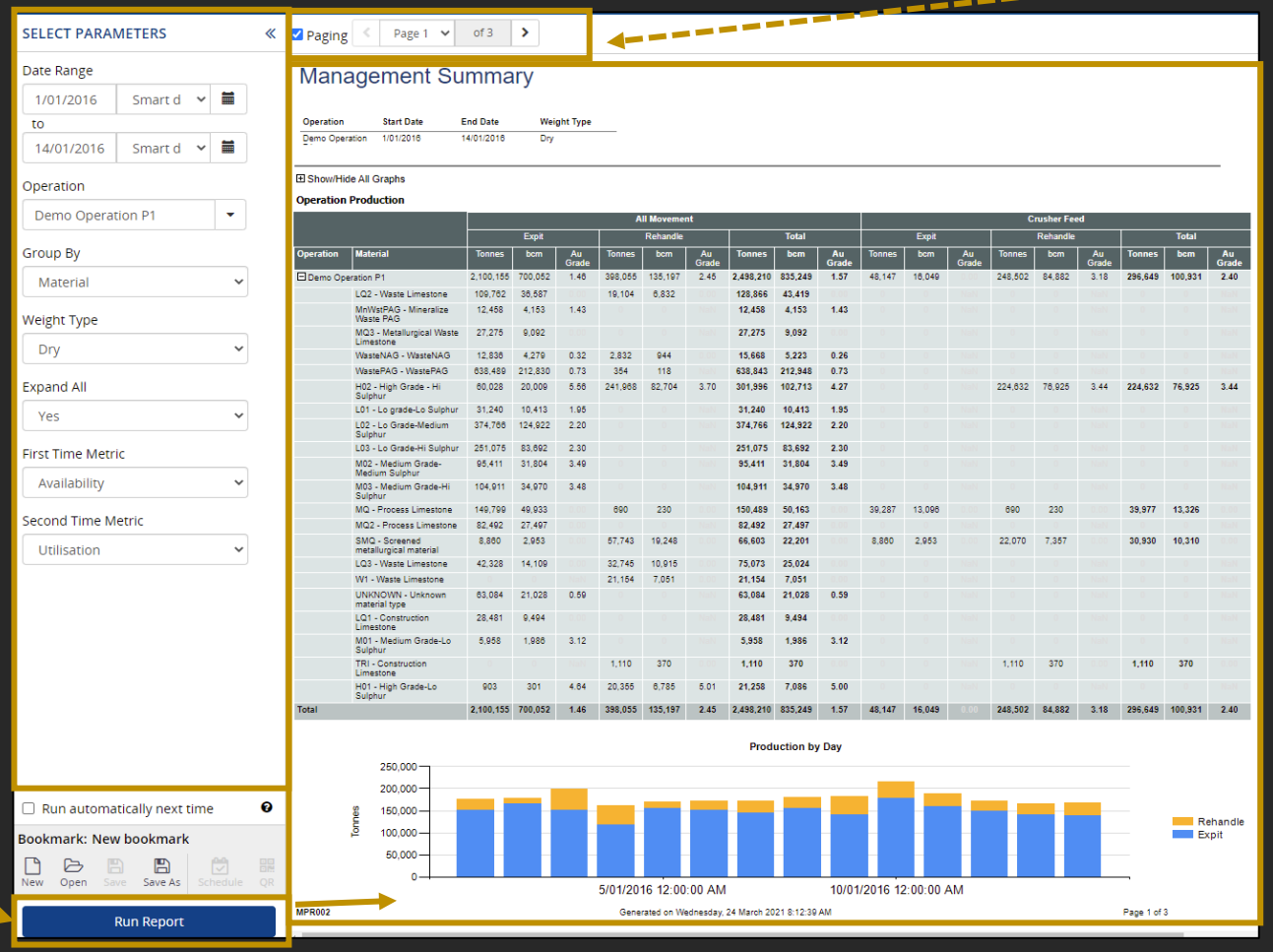
Understanding Reports Basics

Select Filters for your desired view. *If no filters are selected defaults will be applied*

Toggle Report Pages

Resulting Report populates on right hand side

Run Report with applied filters



Standard Reports

Production

MPR002 – Management Summary

MPR005 – Movements Summary

MPR007 – Cycle Details

MPR020 – Cycle Detail Summary

MPR008 – Truck Production

MGE002 – Movement Grade Summary

MGE004 – Grade Report

MPR002- Management Summary

Production: High Level Mining and Drilling

Trending Graphics

Key Metrics:

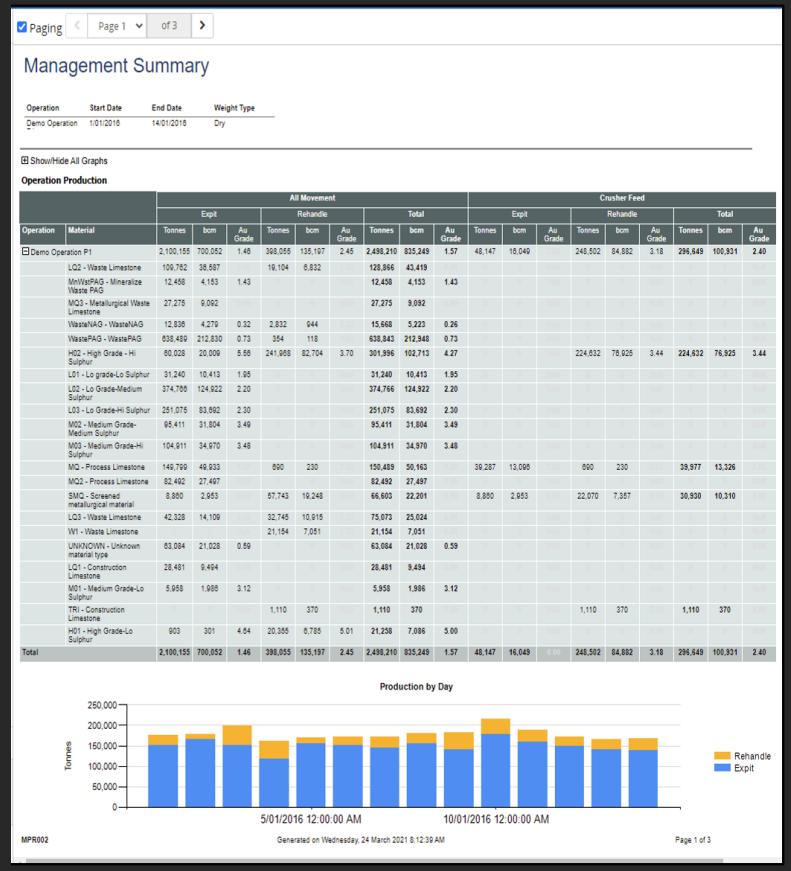
- Tonnage and Grades
- Pit, Rehandle breakdown
- Crusher Feed
- Drill Holes and Depths
- Fleet Time Metrics by Day

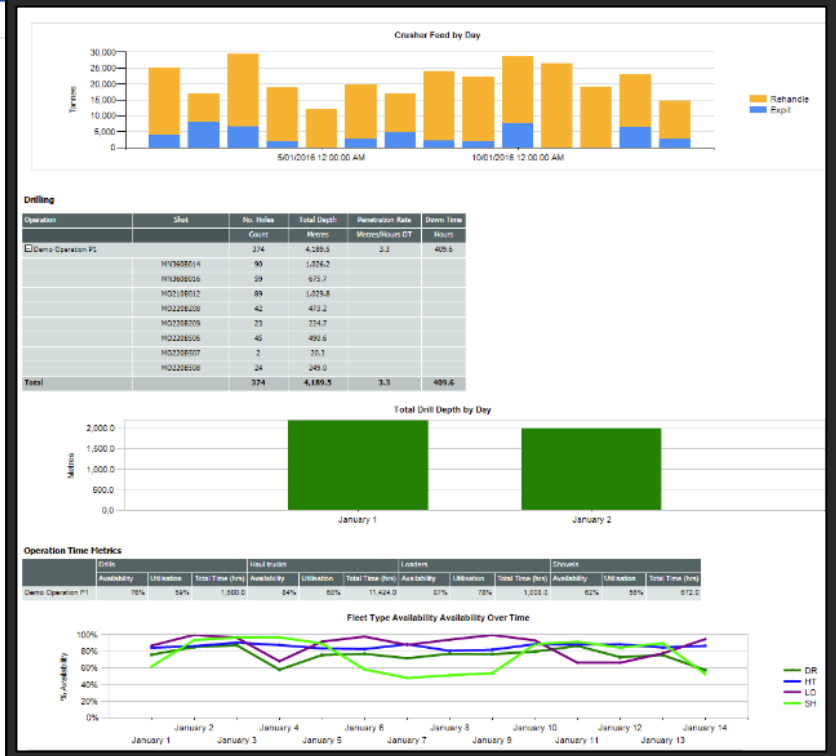
Insights:

- High Level tonnage and grade tracking

Filters:

Weight Type, Time Metrics Group By available





MPR005- Movement Summary

Production: Tonnage Movement Visual

Trending Graphics

Key Metrics:

- Tonnages by Location and Movement Type

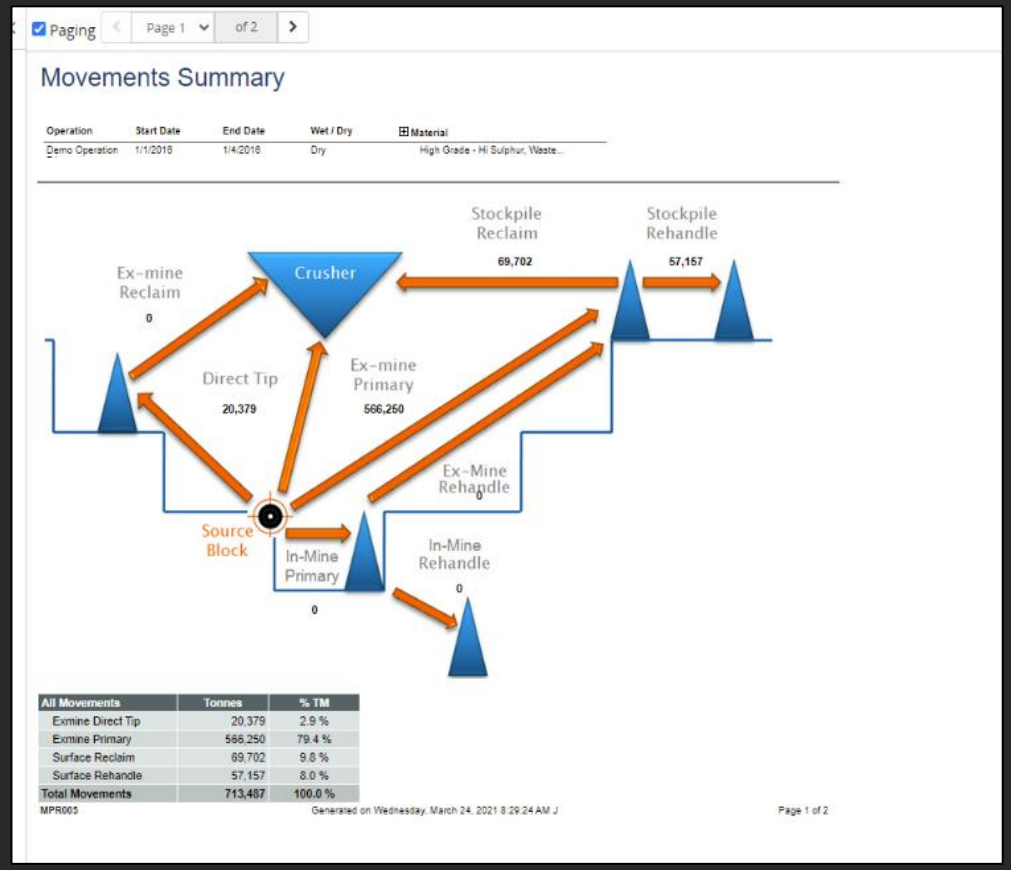
Insights:

- View Rehandle Ratios to locations
- Identify odd routes out of plan

Filters:

Weight Type, Material

Note: Requires location types to configured



MPR007- Cycle Details

Production: Cycle Records Details

Export Friendly

Key Metrics:

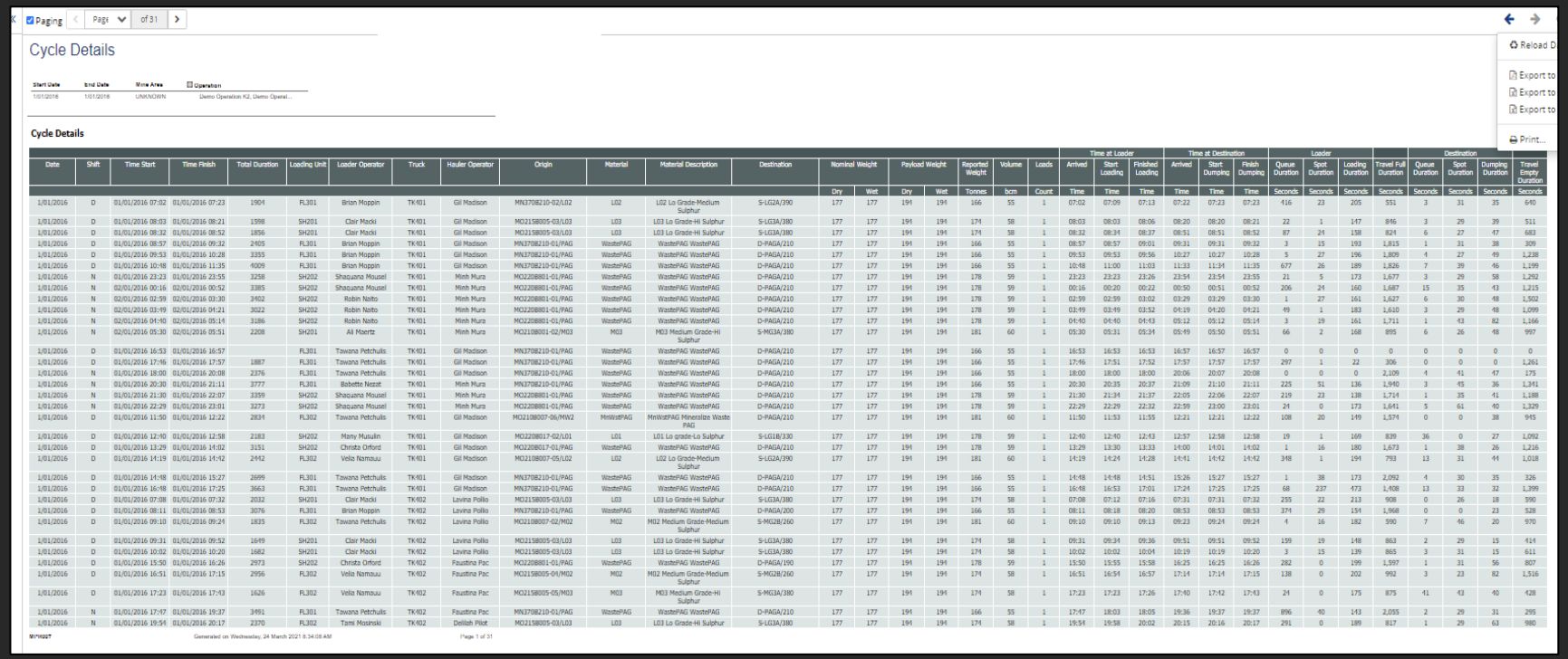
- Cycle Time, Payload, Weights, Load, Queue, Spot, Travel, Dump times

Insights:

- Deep Dive on Cycle details for specific mine situations

Filters:

Shift, Mine Area, Source, Destination, Cycle Filter, Loader Owner, Hauler Owner, Loader, Hauler, Specify Fleets



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Cycle Details

Start Date | End Date | Mine Area | Operation

1/01/2016 | 1/01/2016 | UNKNOWN | Demo Operation KZ, Demo Operat...

Cycle Details

Date	Shift	Time Start	Time Finish	Total Duration	Loading Unit	Loader Operator	Truck	Hauler Operator	Origin	Material	Material Description	Destination	Nominal Weight		Payload Weight		Reported Weight	Volume	Loads	Time at Loader			Time at Destination			Loader				Destination			
													Dry	Wet	Dry	Wet	Tonnes	bcm	Count	Arrived	Start Loading	Finished Loading	Arrived	Start Dumping	Finish Dumping	Queue Duration	Spot Duration	Loading Duration	Travel Full Duration	Queue Duration	Spot Duration	Dumping Duration	Travel Empty Duration
													Time	Time	Time	Time	Time	Time	Time	Seconds	Seconds	Seconds	Seconds	Seconds	Seconds	Seconds	Seconds							
1/01/2016	D	01/01/2016 07:02	01/01/2016 07:23	1904	FL301	Brian Moppin	TK101	Gil Madison	MN370B210-02/L02	L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	177	177	194	194	166	55	1	07:02	07:09	07:13	07:22	07:23	07:23	416	23	205	551	3	31	35	640
1/01/2016	D	01/01/2016 08:03	01/01/2016 08:21	1598	SH201	Clair Macki	TK101	Gil Madison	MO215B005-03/L03	L03	L03 Lo Grade-Hi Sulphur	S-LG3A/380	177	177	194	194	174	58	1	08:03	08:03	08:06	08:20	08:20	08:21	22	1	147	846	3	29	39	511
1/01/2016	D	01/01/2016 08:32	01/01/2016 08:52	1856	SH201	Clair Macki	TK101	Gil Madison	MO215B005-03/L03	L03	L03 Lo Grade-Hi Sulphur	S-LG3A/380	177	177	194	194	174	58	1	08:32	08:34	08:37	08:51	08:51	08:52	87	24	158	824	6	27	47	683
1/01/2016	D	01/01/2016 08:57	01/01/2016 09:32	2405	FL301	Brian Moppin	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	08:57	08:57	09:01	09:31	09:31	09:32	3	15	193	1,815	1	31	38	309
1/01/2016	D	01/01/2016 09:53	01/01/2016 10:28	3355	FL301	Brian Moppin	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	09:53	09:53	09:56	10:27	10:27	10:28	5	27	196	1,809	4	27	49	1,238
1/01/2016	D	01/01/2016 10:48	01/01/2016 11:35	4009	FL301	Brian Moppin	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	10:48	11:00	11:03	11:33	11:34	11:35	677	26	189	1,626	7	39	46	1,199
1/01/2016	N	01/01/2016 23:23	01/01/2016 23:55	3258	SH202	Shaquana Mousel	TK101	Minh Mura	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	23:23	23:23	23:26	23:54	23:54	23:55	21	5	173	1,677	3	29	58	1,292
1/01/2016	N	02/01/2016 00:16	02/01/2016 00:52	3385	SH202	Shaquana Mousel	TK101	Minh Mura	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	00:16	00:20	00:22	00:50	00:51	00:52	206	24	160	1,687	15	35	43	1,215
1/01/2016	N	02/01/2016 02:59	02/01/2016 03:30	3402	SH202	Robin Naito	TK101	Minh Mura	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	02:59	02:59	03:02	03:29	03:29	03:30	1	27	161	1,627	6	30	48	1,502
1/01/2016	N	02/01/2016 03:49	02/01/2016 04:21	3022	SH202	Robin Naito	TK101	Minh Mura	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	03:49	03:49	03:52	04:19	04:20	04:21	49	1	183	1,610	3	29	48	1,099
1/01/2016	N	02/01/2016 04:40	02/01/2016 05:14	3186	SH202	Robin Naito	TK101	Minh Mura	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	04:40	04:40	04:43	05:12	05:12	05:14	3	19	161	1,711	1	43	82	1,166
1/01/2016	N	02/01/2016 05:30	02/01/2016 05:51	2208	SH201	Ali Maertz	TK101	Minh Mura	MO210B001-02/M03	M03	M03 Medium Grade-Hi Sulphur	S-MG3A/380	177	177	194	194	181	60	1	05:30	05:31	05:34	05:49	05:50	05:51	66	2	168	895	6	26	48	997
1/01/2016	D	01/01/2016 16:53	01/01/2016 16:57		FL301	Tawana Petchulis	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	16:53	16:53	16:53	16:57	16:57	16:57	0	0	0	0	0	0	0	0
1/01/2016	D	01/01/2016 17:46	01/01/2016 17:57	1887	FL301	Tawana Petchulis	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	17:46	17:51	17:52	17:57	17:57	17:57	297	1	22	306	0	0	0	1,261
1/01/2016	N	01/01/2016 18:00	01/01/2016 20:08	2376	FL301	Tawana Petchulis	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	18:00	18:00	18:00	20:06	20:07	20:08	0	0	0	2,109	4	41	47	175
1/01/2016	N	01/01/2016 20:30	01/01/2016 21:11	3777	FL301	Babette Nezat	TK101	Minh Mura	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	20:30	20:35	20:37	21:09	21:10	21:11	225	51	136	1,940	3	45	36	1,341
1/01/2016	N	01/01/2016 21:30	01/01/2016 22:07	3359	SH202	Shaquana Mousel	TK101	Minh Mura	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	21:30	21:34	21:37	22:05	22:06	22:07	219	23	138	1,714	1	35	41	1,188
1/01/2016	N	01/01/2016 22:29	01/01/2016 23:01	3273	SH202	Shaquana Mousel	TK101	Minh Mura	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	22:29	22:29	22:32	22:59	23:00	23:01	24	0	173	1,641	5	61	40	1,329
1/01/2016	D	01/01/2016 11:50	01/01/2016 12:22	2834	FL302	Tawana Petchulis	TK101	Gil Madison	MO210B007-06/MN2	MnWstPAG	MnWstPAG Mineralize Waste PAG	D-PAGA/210	177	177	194	194	181	60	1	11:50	11:53	11:55	12:21	12:21	12:22	108	20	149	1,574	0	0	38	945
1/01/2016	D	01/01/2016 12:40	01/01/2016 12:58	2183	SH202	Many Musulin	TK101	Gil Madison	MO220B017-02/L01	L01	L01 Lo grade-Lo Sulphur	S-LG1B/330	177	177	194	194	178	59	1	12:40	12:40	12:43	12:57	12:58	12:58	19	1	169	839	36	0	27	1,092
1/01/2016	D	01/01/2016 13:29	01/01/2016 14:02	3151	SH202	Christa Orford	TK101	Gil Madison	MO220B017-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	178	59	1	13:29	13:30	13:33	14:00	14:01	14:02	1	16	180	1,673	1	38	26	1,216
1/01/2016	D	01/01/2016 14:19	01/01/2016 14:42	2442	FL302	Velia Namauu	TK101	Gil Madison	MO210B007-05/L02	L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	177	177	194	194	181	60	1	14:19	14:24	14:28	14:41	14:42	14:42	348	1	194	793	13	31	44	1,018
1/01/2016	D	01/01/2016 14:48	01/01/2016 15:27	2699	FL301	Tawana Petchulis	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	14:48	14:48	14:51	15:26	15:27	15:27	1	38	173	2,092	4	30	35	326
1/01/2016	D	01/01/2016 16:48	01/01/2016 17:25	3663	FL301	Tawana Petchulis	TK101	Gil Madison	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	16:48	16:53	17:01	17:24	17:25	17:25	68	237	473	1,408	13	33	32	1,399
1/01/2016	D	01/01/2016 07:08	01/01/2016 07:32	2032	SH201	Clair Macki	TK102	Lavina Pollio	MO215B005-03/L03	L03	L03 Lo Grade-Hi Sulphur	S-LG3A/380	177	177	194	194	174	58	1	07:08	07:12	07:16	07:31	07:31	07:32	255	22	213	908	0	26	18	590
1/01/2016	D	01/01/2016 08:11	01/01/2016 08:53	3076	FL301	Brian Moppin	TK102	Lavina Pollio	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/200	177	177	194	194	166	55	1	08:11	08:18	08:20	08:53	08:53	08:53	374	29	154	1,968	0	0	23	528
1/01/2016	D	01/01/2016 09:10	01/01/2016 09:24	1835	FL302	Tawana Petchulis	TK102	Lavina Pollio	MO210B007-02/M02	M02	M02 Medium Grade-Medium Sulphur	S-MG2B/260	177	177	194	194	181	60	1	09:10	09:10	09:13	09:23	09:24	09:24	4	16	182	590	7	46	20	970
1/01/2016	D	01/01/2016 09:31	01/01/2016 09:52	1649	SH201	Clair Macki	TK102	Lavina Pollio	MO215B005-03/L03	L03	L03 Lo Grade-Hi Sulphur	S-LG3A/380	177	177	194	194	174	58	1	09:31	09:34	09:36	09:51	09:51	09:52	159	19	148	863	2	29	15	414
1/01/2016	D	01/01/2016 10:02	01/01/2016 10:20	1682	SH201	Clair Macki	TK102	Lavina Pollio	MO215B005-03/L03	L03	L03 Lo Grade-Hi Sulphur	S-LG3A/380	177	177	194	194	174	58	1	10:02	10:02	10:04	10:19	10:19	10:20	3	15	139	865	3	31	15	611
1/01/2016	D	01/01/2016 15:50	01/01/2016 16:26	2973	SH202	Christa Orford	TK102	Faustina Pac	MO220B801-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/190	177	177	194	194	178	59	1	15:50	15:55	15:58	16:25	16:25	16:26	282	0	199	1,597	1	31	56	807
1/01/2016	D	01/01/2016 16:51	01/01/2016 17:15	2956	FL302	Velia Namauu	TK102	Faustina Pac	MO215B005-04/M02	M02	M02 Medium Grade-Medium Sulphur	S-MG2B/260	177	177	194	194	174	58	1	16:51	16:54	16:57	17:14	17:14	17:15	138	0	202	992	3	23	82	1,516
1/01/2016	D	01/01/2016 17:23	01/01/2016 17:43	1626	FL302	Velia Namauu	TK102	Faustina Pac	MO215B005-05/M03	M03	M03 Medium Grade-Hi Sulphur	S-MG3A/380	177	177	194	194	174	58	1	17:23	17:23	17:26	17:40	17:42	17:43	24	0	175	875	41	43	40	428
1/01/2016	N	01/01/2016 17:47	01/01/2016 19:37	3491	FL301	Tawana Petchulis	TK102	Faustina Pac	MN370B210-01/PAG	WastePAG	WastePAG WastePAG	D-PAGA/210	177	177	194	194	166	55	1	17:47	18:03	18:05	19:36	19:37	19:37	896	40	143	2,055	2	29	31	295
1/01/2016	N	01/01/2016 19:54	01/01/2016 20:17	2370	FL302	Tami Mosinski	TK102	Delilah Pilot	MO215B005-03/L03	L03	L03 Lo Grade-Hi Sulphur	S-LG3A/380	177	177	194	194	174	58	1	19:54	19:58	20:02	20:15	20:16	20:17	291	0	189	817	1	29	63	980

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Reload D... Export to... Export to... Export to... Print...

MPR020- Cycle Detail Summary

Production: Cycle Records Summarized- Daily

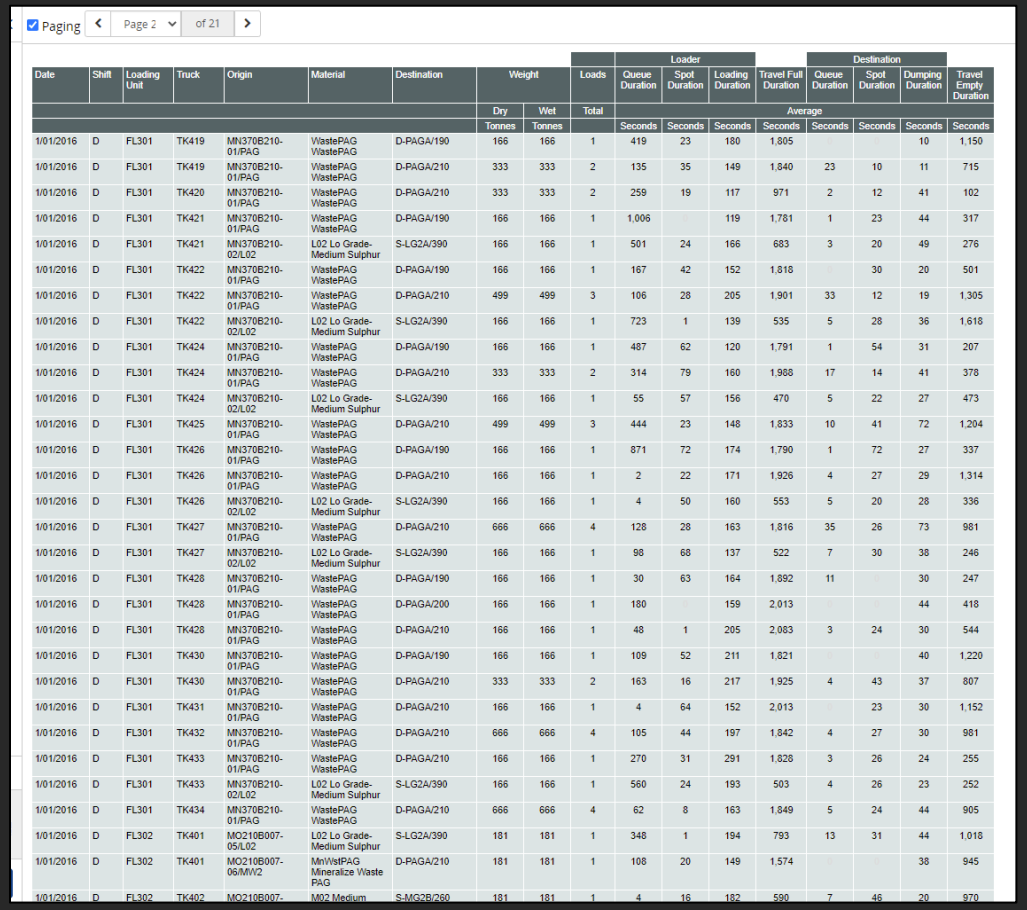
Export Friendly

Key Metrics:

- Cycle Time, Payload, Weights, Load, Queue, Spot, Travel, Dump times

Insights:

- Ideal for export showing each loader, truck, location combination summary



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Date	Shift	Loading Unit	Truck	Origin	Material	Destination	Weight		Loads	Loader			Travel Full Duration	Destination			Travel Empty Duration
							Dry	Wet	Total	Queue Duration	Spot Duration	Loading Duration		Queue Duration	Spot Duration	Dumping Duration	
							Tonnes	Tonnes		Average							
										Seconds	Seconds	Seconds	Seconds	Seconds	Seconds	Seconds	Seconds
1/01/2016	D	FL301	TK419	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	166	166	1	419	23	180	1,805			10	1,150
1/01/2016	D	FL301	TK419	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	333	333	2	135	35	149	1,840	23	10	11	715
1/01/2016	D	FL301	TK420	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	333	333	2	259	19	117	971	2	12	41	102
1/01/2016	D	FL301	TK421	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	166	166	1	1,006		119	1,781	1	23	44	317
1/01/2016	D	FL301	TK421	MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	166	166	1	501	24	166	683	3	20	49	276
1/01/2016	D	FL301	TK422	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	166	166	1	167	42	152	1,818		30	20	501
1/01/2016	D	FL301	TK422	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	499	499	3	106	28	205	1,901	33	12	19	1,305
1/01/2016	D	FL301	TK422	MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	166	166	1	723	1	139	535	5	28	36	1,618
1/01/2016	D	FL301	TK424	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	166	166	1	487	62	120	1,791	1	54	31	207
1/01/2016	D	FL301	TK424	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	333	333	2	314	79	160	1,968	17	14	41	378
1/01/2016	D	FL301	TK424	MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	166	166	1	55	57	156	470	5	22	27	473
1/01/2016	D	FL301	TK425	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	499	499	3	444	23	148	1,833	10	41	72	1,204
1/01/2016	D	FL301	TK426	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	166	166	1	871	72	174	1,790	1	72	27	337
1/01/2016	D	FL301	TK426	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	166	166	1	2	22	171	1,926	4	27	29	1,314
1/01/2016	D	FL301	TK426	MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	166	166	1	4	50	160	553	5	20	28	336
1/01/2016	D	FL301	TK427	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	666	666	4	128	28	163	1,816	35	26	73	981
1/01/2016	D	FL301	TK427	MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	166	166	1	98	68	137	522	7	30	38	246
1/01/2016	D	FL301	TK428	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	166	166	1	30	63	164	1,892	11		30	247
1/01/2016	D	FL301	TK428	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/200	166	166	1	180		159	2,013			44	418
1/01/2016	D	FL301	TK428	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	166	166	1	48	1	205	2,083	3	24	30	544
1/01/2016	D	FL301	TK430	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	166	166	1	109	52	211	1,821			40	1,220
1/01/2016	D	FL301	TK430	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	333	333	2	163	16	217	1,925	4	43	37	807
1/01/2016	D	FL301	TK431	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	166	166	1	4	64	152	2,013		23	30	1,152
1/01/2016	D	FL301	TK432	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	666	666	4	105	44	197	1,842	4	27	30	981
1/01/2016	D	FL301	TK433	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	166	166	1	270	31	291	1,828	3	26	24	255
1/01/2016	D	FL301	TK433	MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	166	166	1	560	24	193	503	4	26	23	252
1/01/2016	D	FL301	TK434	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	666	666	4	62	8	163	1,849	5	24	44	905
1/01/2016	D	FL302	TK401	MO210B007-05/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	181	181	1	348	1	194	793	13	31	44	1,018
1/01/2016	D	FL302	TK401	MO210B007-06/MW2	MnWstPAG Mineralize Waste PAG	D-PAGA/210	181	181	1	108	20	149	1,574			38	945
1/01/2016	D	FL302	TK402	MO210B007-	M02 Medium	S-MG2B/260	181	181	1	4	16	182	590	7	46	20	970

MPR008- Truck Production

Production: Aggregate by Truck

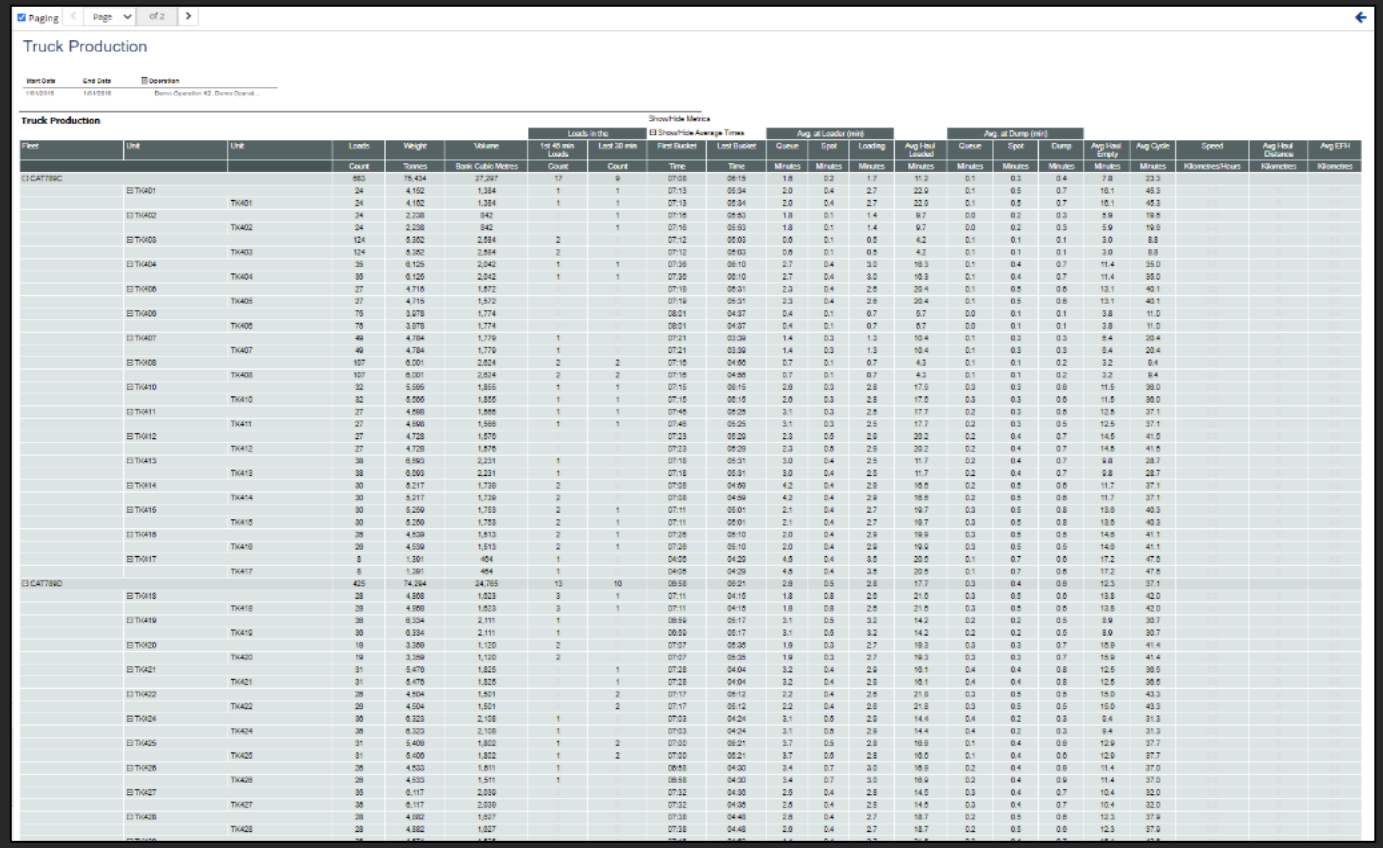
Export Friendly

Key Metrics:

- Loads, Weight, Volume, Queue, Spot, Load, Loaded Haul Time, Dump, Empty Haul, Speed, Distance. EFH

Insights:

- Ideal for export for analysis at the Truck level or for truck by truck comparison


Truck Production

Truck Production

Fleet	Unit	Unit	Loads	Weight	Volume	Loads in the 1st 40 min	Loads in the Last 20 min	First Bucket	Last Bucket	Avg. at Loader (min) Queue	Avg. at Loader (min) Spot	Avg. at Loader (min) Loading	Avg Haul Loaded	Avg. at Dump (min) Queue	Avg. at Dump (min) Spot	Avg. at Dump (min) Dump	Avg Haul Empty	Avg Cycle	Speed	Avg Haul Distance	Avg EFH
			Count	Tonnes	Bank Cubic Metres	Count	Count	Time	Time	Minutes	Minutes	Minutes	Minutes	Minutes	Minutes	Minutes	Minutes	Minutes	Kilometres/Hours	Kilometres	Kilometres
CAT789C			683	75,434	27,297	17	9	07:08	08:15	1.6	0.2	1.7	11.2	0.1	0.3	0.4	7.8	23.3			
	TK401		24	4,192	1,384	1	1	07:13	08:34	2.0	0.4	2.7	22.9	0.1	0.5	0.7	16.1	45.3			
		TK401	24	4,192	1,384	1	1	07:13	08:34	2.0	0.4	2.7	22.0	0.1	0.5	0.7	16.1	45.3			
	TK402		24	2,238	842		1	07:16	08:53	1.8	0.1	1.4	9.7	0.0	0.2	0.3	5.9	19.5			
		TK402	24	2,238	842		1	07:16	08:53	1.8	0.1	1.4	9.7	0.0	0.2	0.3	5.9	19.9			
	TK403		124	5,382	2,584	2		07:12	08:03	0.6	0.1	0.5	4.2	0.1	0.1	0.1	3.0	8.8			
		TK403	124	5,382	2,584	2		07:12	08:03	0.6	0.1	0.5	4.2	0.1	0.1	0.1	3.0	8.8			
	TK404		35	6,125	2,042	1	1	07:38	08:10	2.7	0.4	3.0	16.3	0.1	0.4	0.7	11.4	35.0			
		TK404	35	6,125	2,042	1	1	07:38	08:10	2.7	0.4	3.0	16.3	0.1	0.4	0.7	11.4	35.0			
	TK405		27	4,715	1,572			07:19	08:31	2.3	0.4	2.6	20.4	0.1	0.5	0.6	13.1	40.1			
		TK405	27	4,715	1,572			07:19	08:31	2.3	0.4	2.6	20.4	0.1	0.5	0.6	13.1	40.1			
	TK406		76	3,978	1,774			08:01	04:37	0.4	0.1	0.7	5.7	0.0	0.1	0.1	3.8	11.0			
		TK406	76	3,978	1,774			08:01	04:37	0.4	0.1	0.7	5.7	0.0	0.1	0.1	3.8	11.0			
	TK407		49	4,784	1,779	1		07:21	03:39	1.4	0.3	1.3	10.4	0.1	0.3	0.3	8.4	20.4			
		TK407	49	4,784	1,779	1		07:21	03:39	1.4	0.3	1.3	10.4	0.1	0.3	0.3	8.4	20.4			
	TK408		107	6,001	2,624	2	2	07:16	04:55	0.7	0.1	0.7	4.3	0.1	0.1	0.2	3.2	9.4			
		TK408	107	6,001	2,624	2	2	07:16	04:55	0.7	0.1	0.7	4.3	0.1	0.1	0.2	3.2	9.4			
	TK410		32	5,595	1,855	1	1	07:15	06:15	2.6	0.3	2.6	17.5	0.3	0.3	0.6	11.5	33.0			
		TK410	32	5,595	1,855	1	1	07:15	06:15	2.6	0.3	2.6	17.0	0.3	0.3	0.6	11.5	33.0			
	TK411		27	4,568	1,566	1	1	07:45	06:25	3.1	0.3	2.5	17.7	0.2	0.3	0.5	12.5	37.1			
		TK411	27	4,568	1,566	1	1	07:46	06:25	3.1	0.3	2.5	17.7	0.2	0.3	0.5	12.5	37.1			
	TK412		27	4,728	1,676			07:23	05:29	2.3	0.5	2.6	20.2	0.2	0.4	0.7	14.5	41.5			
		TK412	27	4,728	1,676			07:23	05:29	2.3	0.5	2.6	20.2	0.2	0.4	0.7	14.5	41.5			
	TK413		38	6,593	2,231	1		07:18	05:31	3.0	0.4	2.5	11.7	0.2	0.4	0.7	9.8	28.7			
		TK413	38	6,593	2,231	1		07:18	05:31	3.0	0.4	2.5	11.7	0.2	0.4	0.7	9.8	28.7			
	TK414		30	5,217	1,739	2		07:08	04:59	4.2	0.4	2.9	18.6	0.2	0.5	0.6	11.7	37.1			
		TK414	30	5,217	1,739	2		07:08	04:59	4.2	0.4	2.9	18.6	0.2	0.5	0.6	11.7	37.1			
	TK415		90	5,259	1,753	2	1	07:11	05:01	2.1	0.4	2.7	19.7	0.3	0.5	0.8	13.0	40.3			
		TK415	90	5,259	1,753	2	1	07:11	05:01	2.1	0.4	2.7	19.7	0.3	0.5	0.8	13.0	40.3			
	TK416		28	4,539	1,513	2	1	07:26	05:10	2.0	0.4	2.9	19.9	0.3	0.5	0.5	14.6	41.1			
		TK416	28	4,539	1,513	2	1	07:26	05:10	2.0	0.4	2.9	19.9	0.3	0.5	0.5	14.6	41.1			
	TK417		8	1,391	464	1		04:06	04:29	4.5	0.4	3.5	20.5	0.1	0.7	0.6	17.2	47.5			
		TK417	8	1,391	464	1		04:06	04:29	4.5	0.4	3.5	20.5	0.1	0.7	0.6	17.2	47.5			
CAT789D			425	74,294	24,765	13	10	08:58	06:21	2.8	0.5	2.8	17.7	0.3	0.4	0.6	12.3	37.1			
	TK418		28	4,968	1,623	3	1	07:11	04:15	1.8	0.8	2.6	21.0	0.3	0.5	0.6	13.8	42.0			
		TK418	28	4,968	1,623	3	1	07:11	04:15	1.8	0.8	2.6	21.6	0.3	0.5	0.6	13.8	42.0			
	TK419		38	6,334	2,111	1		08:59	05:17	3.1	0.5	3.2	14.2	0.2	0.2	0.5	8.9	30.7			
		TK419	38	6,334	2,111	1		08:59	05:17	3.1	0.5	3.2	14.2	0.2	0.2	0.5	8.9	30.7			
	TK420		19	3,359	1,120	2		07:07	05:25	1.9	0.3	2.7	19.3	0.3	0.3	0.7	15.9	41.4			
		TK420	19	3,359	1,120	2		07:07	05:25	1.9	0.3	2.7	19.3	0.3	0.3	0.7	15.9	41.4			
	TK421		31	5,470	1,825		1	07:28	04:04	3.2	0.4	2.9	16.1	0.4	0.4	0.8	12.5	36.5			
		TK421	31	5,470	1,825		1	07:28	04:04	3.2	0.4	2.9	16.1	0.4	0.4	0.8	12.5	36.5			
	TK422		28	4,504	1,501		2	07:17	05:12	2.2	0.4	2.6	21.8	0.3	0.5	0.5	15.0	43.3			
		TK422	28	4,504	1,501		2	07:17	05:12	2.2	0.4	2.6	21.8	0.3	0.5	0.5	15.0	43.3			
	TK424		96	6,323	2,108	1		07:03	04:24	3.1	0.5	2.9	14.4	0.4	0.2	0.3	9.4	31.3			
		TK424	96	6,323	2,108	1		07:03	04:24	3.1	0.5	2.9	14.4	0.4	0.2	0.3	9.4	31.3			
	TK425		31	5,409	1,802	1	2	07:00	05:21	3.7	0.5	2.8	16.8	0.1	0.4	0.6	12.9	37.7			
		TK425	31	5,409	1,802	1	2	07:00	05:21	3.7	0.5	2.8	16.0	0.1	0.4	0.6	12.9	37.7			
	TK426		28	4,533	1,511	1		08:58	04:30	3.4	0.7	3.0	16.9	0.2	0.4	0.9	11.4	37.0			
		TK426	28	4,533	1,511	1		08:58	04:30	3.4	0.7	3.0	16.9	0.2	0.4	0.9	11.4	37.0			
	TK427		96	6,117	2,039			07:32	04:30	2.6	0.4	2.8	14.0	0.3	0.4	0.7	10.4	32.0			
		TK427	96	6,117	2,039			07:32	04:30	2.6	0.4	2.8	14.5	0.3	0.4	0.7	10.4	32.0			
	TK428		28	4,882	1,627			07:38	04:48	2.8	0.4	2.7	18.7	0.2	0.5	0.6	12.3	37.9			
		TK428	28	4,882	1,627			07:38	04:48	2.8	0.4	2.7	18.7	0.2	0.5	0.6	12.3	37.9			

Filters:

Shift

Group By Available:

Fleet (levels if available), Unit

MGE002- Movement Grade Summary

Production: Dynamic Tonnage Reporting

Key Metrics:

- Loads, Volume, Weight, grades, concentrations

Insights:

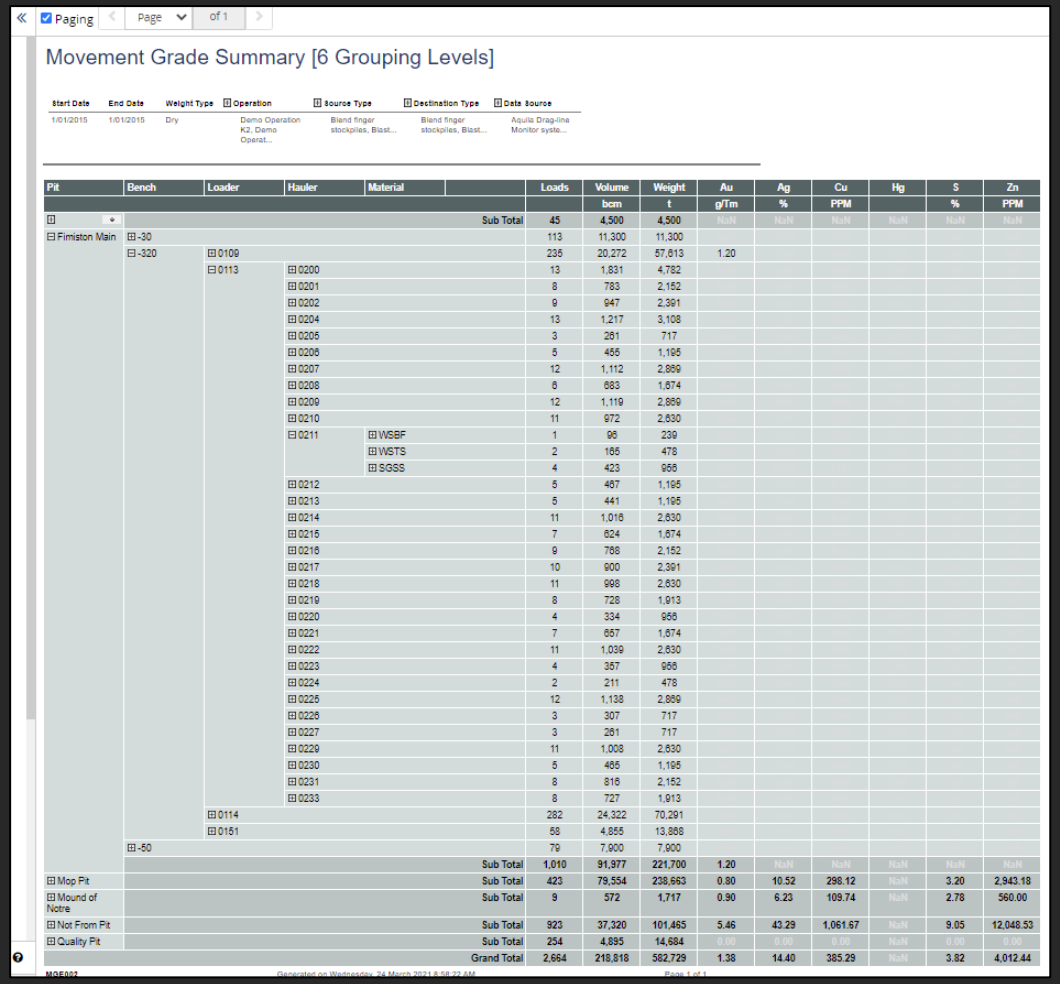
- Look at Key Metrics at desires aggregation. Drill into locations, material types, or even specific operators

Filters:

Hauler/ Loader Operator

Group By Available:

Select up to 6 levels



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Movement Grade Summary [6 Grouping Levels]

Start Date	End Date	Weight Type	Operation	Source Type	Destination Type	Data Source
1/01/2015	1/01/2015	Dry	Demo Operation K2, Demo Operat...	Blend finger stockpiles, Blast...	Blend finger stockpiles, Blast...	Aquila Drag-line Monitor syste...

Pit	Bench	Loader	Hauler	Material	Loads	Volume bcm	Weight t	Au g/Tm	Ag %	Cu PPM	Hg	S %	Zn PPM
				Sub Total	45	4,500	4,500	NaN	NaN	NaN	NaN	NaN	NaN
Fimiston Main	-30				113	11,300	11,300						
	-320	0109			235	20,272	57,613	1.20					
		0113	0200		13	1,831	4,782						
			0201		8	783	2,152						
			0202		9	947	2,391						
			0204		13	1,217	3,108						
			0205		3	261	717						
			0206		5	455	1,195						
			0207		12	1,112	2,869						
			0208		6	683	1,674						
			0209		12	1,119	2,869						
			0210		11	972	2,630						
			0211	WSBF	1	96	239						
				WSTS	2	165	478						
				SGSS	4	423	956						
			0212		5	467	1,195						
			0213		5	441	1,195						
			0214		11	1,016	2,630						
			0215		7	624	1,674						
			0216		9	768	2,152						
			0217		10	900	2,391						
			0218		11	998	2,630						
			0219		8	728	1,913						
			0220		4	334	956						
			0221		7	657	1,674						
			0222		11	1,039	2,630						
			0223		4	357	956						
			0224		2	211	478						
			0225		12	1,138	2,869						
			0226		3	307	717						
			0227		3	261	717						
			0229		11	1,008	2,630						
			0230		5	466	1,195						
			0231		8	816	2,152						
			0233		8	727	1,913						
		0114			282	24,322	70,291						
		0151			58	4,855	13,888						
	-50				79	7,900	7,900						
				Sub Total	1,010	91,977	221,700	1.20	NaN	NaN	NaN	NaN	NaN
Mop Pit				Sub Total	423	79,554	238,663	0.80	10.52	298.12	NaN	3.20	2,943.18
Mound of Notre				Sub Total	9	572	1,717	0.90	6.23	109.74	NaN	2.78	560.00
Not From Pit				Sub Total	923	37,320	101,465	5.46	43.29	1,061.67	NaN	9.05	12,048.53
Quality Pit				Sub Total	254	4,895	14,684	0.00	0.00	0.00	NaN	0.00	0.00
				Grand Total	2,664	218,818	582,729	1.38	14.40	385.29	NaN	3.82	4,012.44

MGE002 Generated on Wednesday, 24 March 2021 8:58:22 AM Page 1 of 1

MGE004- Grade Report

Production: Grades by Cycle

Key Metrics:

- Loads, Volume, Weight, grades, concentrations

Insights:

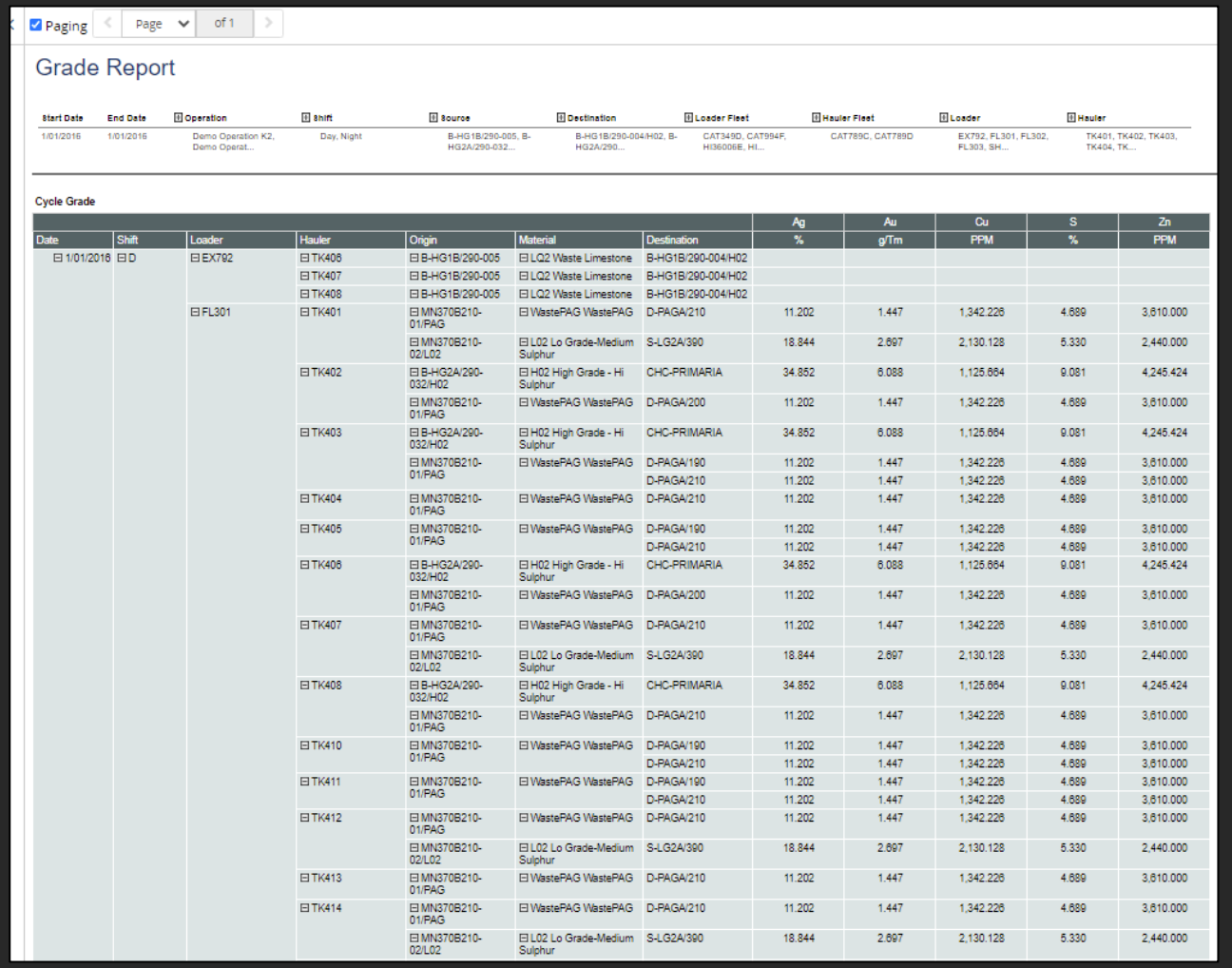
- Look at Key Metrics at desires aggregation. Drill into locations, material types, or even specific operators

Filters:

Hauler/ Loader Operator

Group By Available:

Select up to 6 levels



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Grade Report

Start Date	End Date	Operation	Shift	Source	Destination	Loader Fleet	Hauler Fleet	Loader	Hauler
1/01/2016	1/01/2016	Demo Operation K2, Demo Operat...	Day, Night	B-HG1B/290-005, B-HG2A/290-032...	B-HG1B/290-004/H02, B-HG2A/290...	CAT349D, CAT994F, HI3600E, HI...	CAT789C, CAT789D	EX792, FL301, FL302, FL303, SH...	TK401, TK402, TK403, TK404, TK...

Cycle Grade

							Ag	Au	Cu	S	Zn
Date	Shift	Loader	Hauler	Origin	Material	Destination	%	g/Tm	PPM	%	PPM
1/01/2016	D	EX792	TK406	B-HG1B/290-005	LQ2 Waste Limestone	B-HG1B/290-004/H02					
			TK407	B-HG1B/290-005	LQ2 Waste Limestone	B-HG1B/290-004/H02					
			TK408	B-HG1B/290-005	LQ2 Waste Limestone	B-HG1B/290-004/H02					
		FL301	TK401	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
				MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	18.844	2.697	2,130.128	5.330	2,440.000
			TK402	B-HG2A/290-032/H02	H02 High Grade - Hi Sulphur	CHC-PRIMARIA	34.852	6.088	1,125.664	9.081	4,245.424
				MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/200	11.202	1.447	1,342.226	4.689	3,610.000
			TK403	B-HG2A/290-032/H02	H02 High Grade - Hi Sulphur	CHC-PRIMARIA	34.852	6.088	1,125.664	9.081	4,245.424
				MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	11.202	1.447	1,342.226	4.689	3,610.000
						D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
			TK404	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
			TK405	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	11.202	1.447	1,342.226	4.689	3,610.000
						D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
			TK406	B-HG2A/290-032/H02	H02 High Grade - Hi Sulphur	CHC-PRIMARIA	34.852	6.088	1,125.664	9.081	4,245.424
				MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/200	11.202	1.447	1,342.226	4.689	3,610.000
			TK407	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
				MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	18.844	2.697	2,130.128	5.330	2,440.000
			TK408	B-HG2A/290-032/H02	H02 High Grade - Hi Sulphur	CHC-PRIMARIA	34.852	6.088	1,125.664	9.081	4,245.424
				MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
			TK410	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	11.202	1.447	1,342.226	4.689	3,610.000
						D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
			TK411	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/190	11.202	1.447	1,342.226	4.689	3,610.000
						D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
			TK412	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
				MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	18.844	2.697	2,130.128	5.330	2,440.000
			TK413	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
			TK414	MN370B210-01/PAG	WastePAG WastePAG	D-PAGA/210	11.202	1.447	1,342.226	4.689	3,610.000
				MN370B210-02/L02	L02 Lo Grade-Medium Sulphur	S-LG2A/390	18.844	2.697	2,130.128	5.330	2,440.000

Standard Reports

Time

MTR001 – Equipment Performance Report

MTR002 – Equipment Delay Overview

MTR004 – Activity Calendar

MTR010 – Equipment Time Statistics

MTR011 – Fleet Timeline report

MPR027 – Event Details

MTR001- Equipment Performance

Time: Time Model Breakdown

Key Metrics:

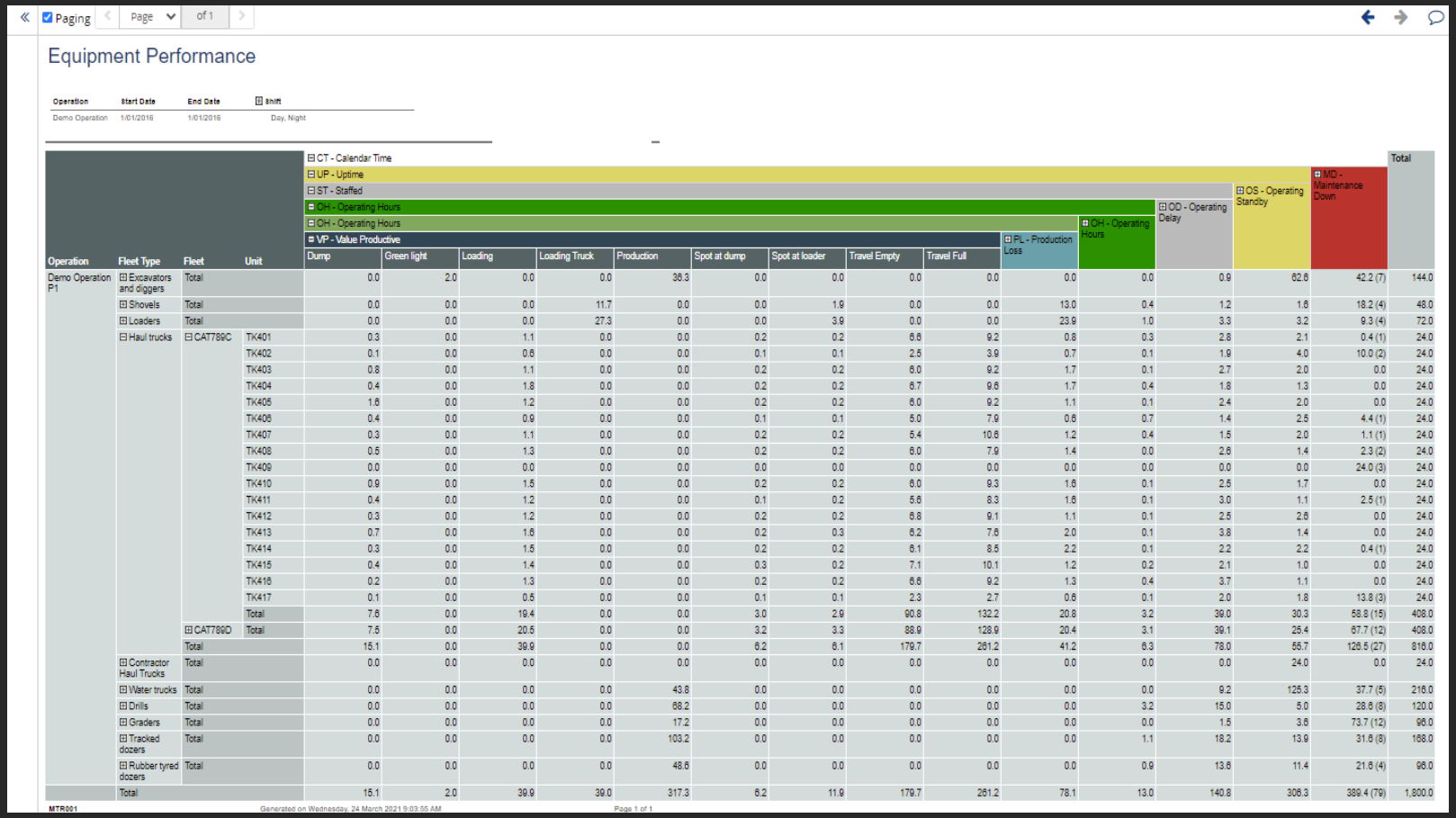
- Time Model and Time Hierarchy with Associated Hours

Insights:

- See Time breakdown by Fleet and Unit at all levels of your time model with options to drill down or up

Filters:

Time Model, Shift, Owner, Fleet Type, Fleet, Unit



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Equipment Performance

Operation	Start Date	End Date	Shift
Demo Operation	1/01/2016	1/01/2016	Day, Night

				CT - Calendar Time													Total
				UP - Uptime												MD - Maintenance Down	
				ST - Staffed											OS - Operating Standby		
				OH - Operating Hours										OD - Operating Delay			
				OH - Operating Hours									OH - Operating Hours				
				VP - Value Productive									PL - Production Loss				
Operation	Fleet Type	Fleet	Unit	Dump	Green light	Loading	Loading Truck	Production	Spot at dump	Spot at loader	Travel Empty	Travel Full					
Demo Operation P1	Excavators and diggers	Total		0.0	2.0	0.0	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9	62.6	42.2 (7)	144.0
	Shovels	Total		0.0	0.0	0.0	11.7	0.0	0.0	1.9	0.0	0.0	13.0	0.4	1.2	1.6	18.2 (4)	48.0
	Loaders	Total		0.0	0.0	0.0	27.3	0.0	0.0	3.9	0.0	0.0	23.9	1.0	3.3	3.2	9.3 (4)	72.0
	Haul trucks	CAT789C	TK401	0.3	0.0	1.1	0.0	0.0	0.2	0.2	6.6	9.2	0.8	0.3	2.8	2.1	0.4 (1)	24.0
			TK402	0.1	0.0	0.6	0.0	0.0	0.1	0.1	2.5	3.9	0.7	0.1	1.9	4.0	10.0 (2)	24.0
			TK403	0.8	0.0	1.1	0.0	0.0	0.2	0.2	6.0	9.2	1.7	0.1	2.7	2.0	0.0	24.0
			TK404	0.4	0.0	1.8	0.0	0.0	0.2	0.2	6.7	9.6	1.7	0.4	1.8	1.3	0.0	24.0
			TK405	1.6	0.0	1.2	0.0	0.0	0.2	0.2	6.0	9.2	1.1	0.1	2.4	2.0	0.0	24.0
			TK406	0.4	0.0	0.9	0.0	0.0	0.1	0.1	5.0	7.9	0.6	0.7	1.4	2.5	4.4 (1)	24.0
			TK407	0.3	0.0	1.1	0.0	0.0	0.2	0.2	5.4	10.6	1.2	0.4	1.5	2.0	1.1 (1)	24.0
			TK408	0.5	0.0	1.3	0.0	0.0	0.2	0.2	6.0	7.9	1.4	0.0	2.6	1.4	2.3 (2)	24.0
			TK409	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0 (3)	24.0
			TK410	0.9	0.0	1.5	0.0	0.0	0.2	0.2	6.0	9.3	1.6	0.1	2.5	1.7	0.0	24.0
			TK411	0.4	0.0	1.2	0.0	0.0	0.1	0.2	5.6	8.3	1.6	0.1	3.0	1.1	2.5 (1)	24.0
			TK412	0.3	0.0	1.2	0.0	0.0	0.2	0.2	6.8	9.1	1.1	0.1	2.5	2.6	0.0	24.0
			TK413	0.7	0.0	1.6	0.0	0.0	0.2	0.3	6.2	7.6	2.0	0.1	3.8	1.4	0.0	24.0
			TK414	0.3	0.0	1.5	0.0	0.0	0.2	0.2	6.1	8.5	2.2	0.1	2.2	2.2	0.4 (1)	24.0
			TK415	0.4	0.0	1.4	0.0	0.0	0.3	0.2	7.1	10.1	1.2	0.2	2.1	1.0	0.0	24.0
			TK416	0.2	0.0	1.3	0.0	0.0	0.2	0.2	6.6	9.2	1.3	0.4	3.7	1.1	0.0	24.0
			TK417	0.1	0.0	0.5	0.0	0.0	0.1	0.1	2.3	2.7	0.6	0.1	2.0	1.8	13.8 (3)	24.0
			Total	7.6	0.0	19.4	0.0	0.0	3.0	2.9	90.8	132.2	20.8	3.2	39.0	30.3	58.8 (15)	408.0
		CAT789D	Total	7.5	0.0	20.5	0.0	0.0	3.2	3.3	88.9	128.9	20.4	3.1	39.1	25.4	67.7 (12)	408.0
		Total		15.1	0.0	39.9	0.0	0.0	6.2	6.1	179.7	261.2	41.2	6.3	78.0	55.7	126.5 (27)	816.0
	Contractor Haul Trucks	Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	24.0
	Water trucks	Total		0.0	0.0	0.0	0.0	43.8	0.0	0.0	0.0	0.0	0.0	0.0	9.2	125.3	37.7 (5)	216.0
	Drills	Total		0.0	0.0	0.0	0.0	68.2	0.0	0.0	0.0	0.0	0.0	3.2	15.0	5.0	28.6 (8)	120.0
	Graders	Total		0.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.6	73.7 (12)	96.0
	Tracked dozers	Total		0.0	0.0	0.0	0.0	103.2	0.0	0.0	0.0	0.0	0.0	1.1	18.2	13.9	31.6 (8)	168.0
	Rubber tyred dozers	Total		0.0	0.0	0.0	0.0	48.6	0.0	0.0	0.0	0.0	0.0	0.9	13.6	11.4	21.6 (4)	96.0
	Total			15.1	2.0	39.9	39.0	317.3	6.2	11.9	179.7	261.2	78.1	13.0	140.8	306.3	389.4 (79)	1,800.0

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MTR002- Equipment Delay Overview

Trending Graphics

Export Friendly

Time: View Delay Breakdown

Key Metrics:

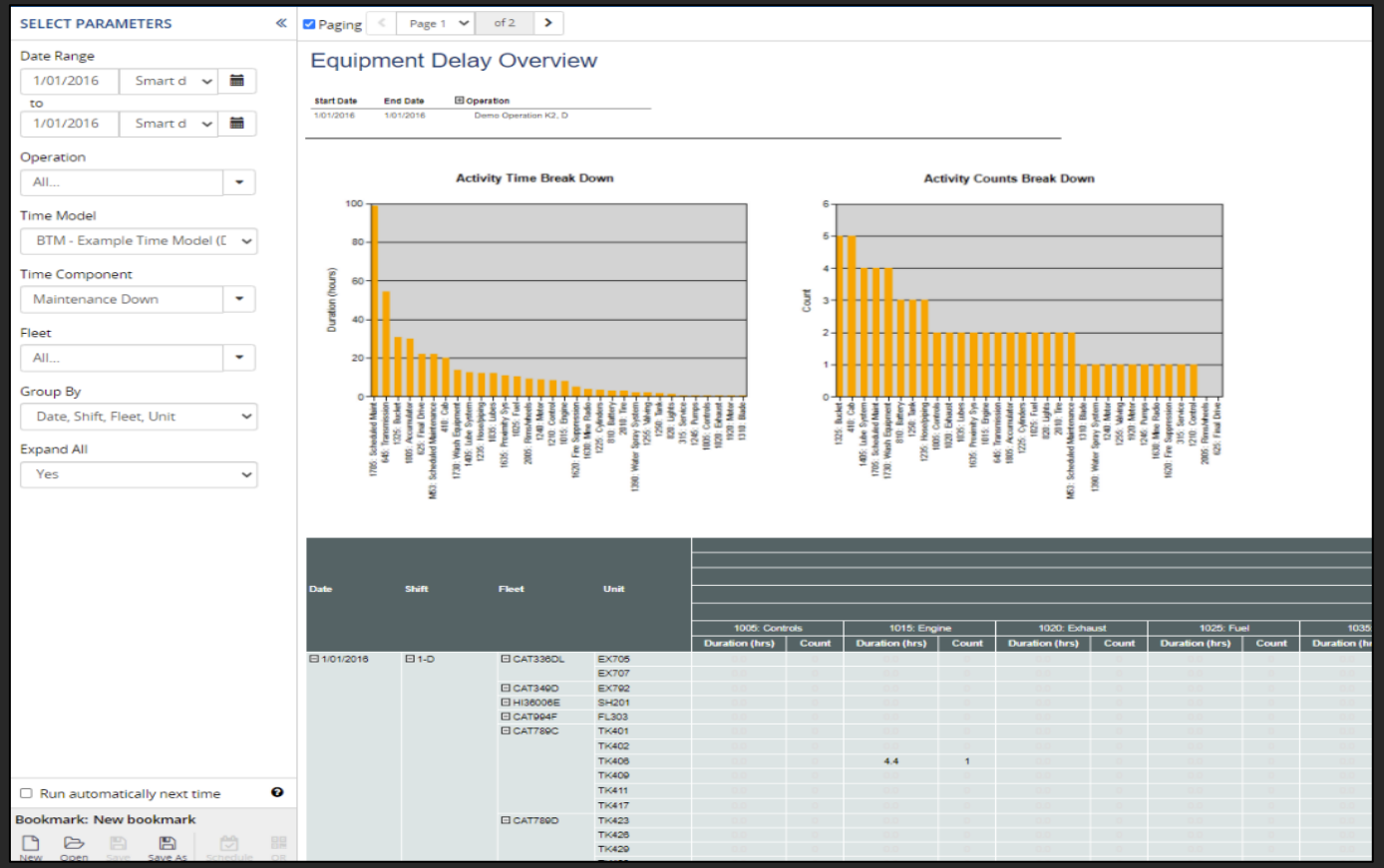
- Total time per delay and delay counts

Insights:

- See Top Delays for time period

Filters:

Fleet, Time Component



MTR004- Activity Calendar

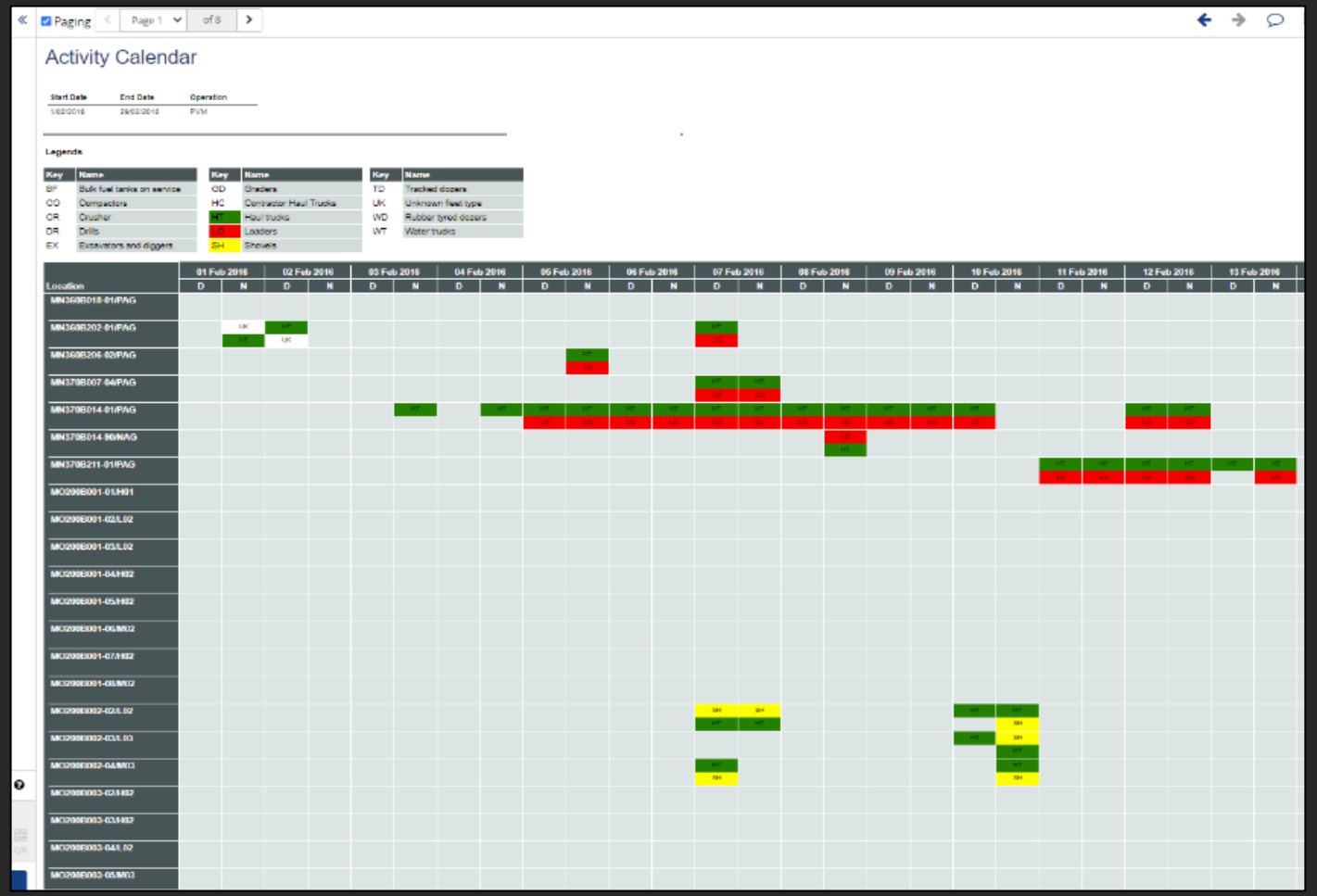
Time: Calendar View of Equipment Locations

Key Metrics:

- Grid with Locations and Equipment

Insights:

- View Equipment Types in differing areas over time
- *Commonly for Underground



MTR010- Equipment Time Statistics

Export Friendly

Time: Time Model Breakdown by Equipment Unit

Key Metrics:

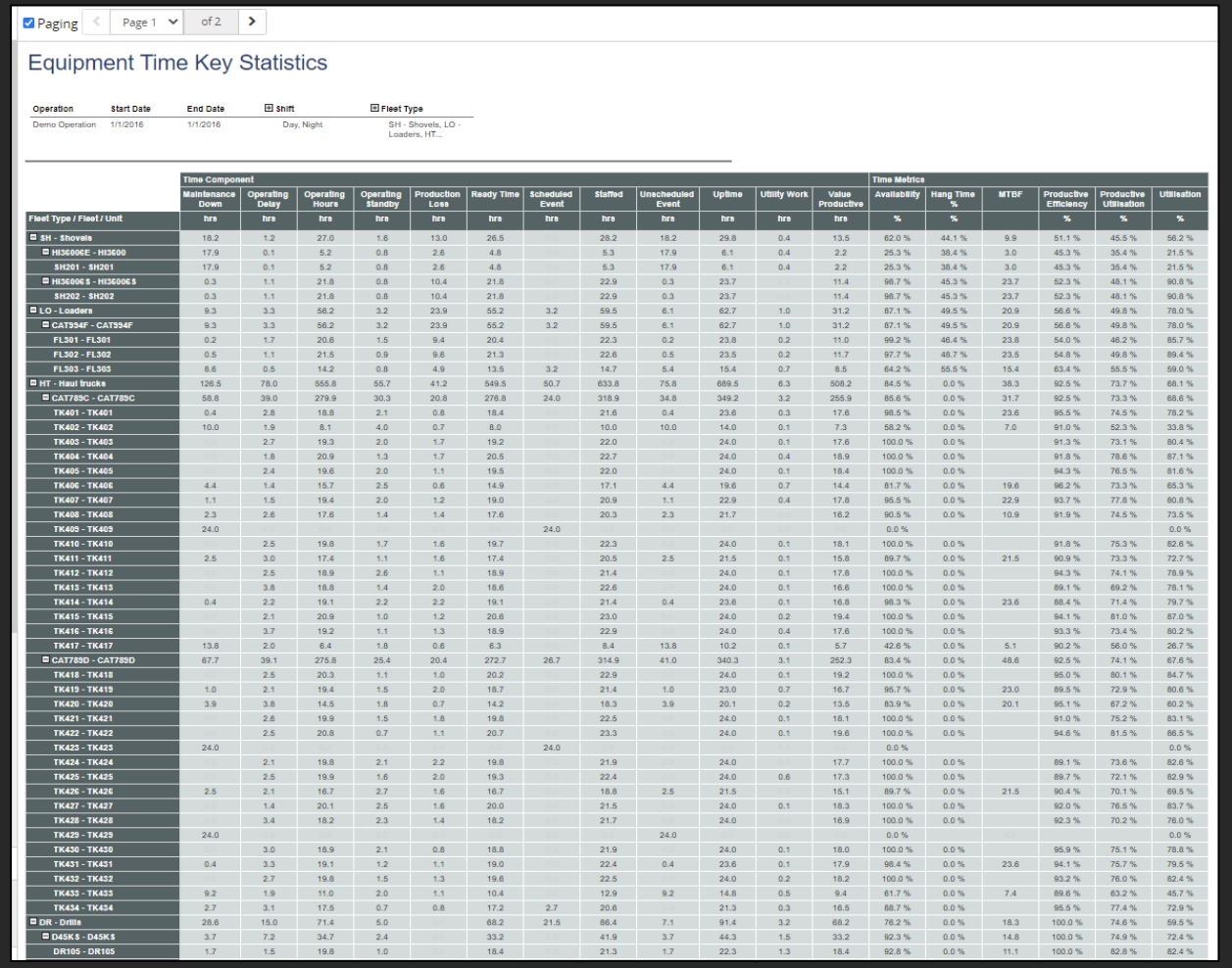
- Time Model Components, Time Metrics

Insights:

- Use Filters to drill into time components of interest of specific fleets to view time components

Filters:

Time Model, Shift, Owner, Fleet Type, Fleet, Unit



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Equipment Time Key Statistics

Operation	Start Date	End Date	Shift	Fleet Type
Demo Operation	1/1/2016	1/1/2016	Day, Night	SH - Shovels, LO - Loaders, HT...

	Time Component												Time Metrics					
	Maintenance Down	Operating Delay	Operating Hours	Operating Standby	Production Loss	Ready Time	Scheduled Event	Staffed	Unscheduled Event	Uptime	Utility Work	Value Productive	Availability	Hang Time %	MTBF	Productive Efficiency	Productive Utilisation	Utilisation
Fleet Type / Fleet / Unit	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	%	%		%	%	%
SH - Shovels	18.2	1.2	27.0	1.6	13.0	26.5		28.2	18.2	29.8	0.4	13.5	62.0 %	44.1 %	9.9	51.1 %	45.5 %	56.2 %
HI3600E - HI3600	17.9	0.1	5.2	0.8	2.6	4.8		5.3	17.9	6.1	0.4	2.2	25.3 %	38.4 %	3.0	45.3 %	35.4 %	21.5 %
SH201 - SH201	17.9	0.1	5.2	0.8	2.6	4.8		5.3	17.9	6.1	0.4	2.2	25.3 %	38.4 %	3.0	45.3 %	35.4 %	21.5 %
HI3600E 5 - HI3600E 5	0.3	1.1	21.8	0.8	10.4	21.8		22.9	0.3	23.7		11.4	98.7 %	45.3 %	23.7	52.3 %	48.1 %	90.8 %
SH202 - SH202	0.3	1.1	21.8	0.8	10.4	21.8		22.9	0.3	23.7		11.4	98.7 %	45.3 %	23.7	52.3 %	48.1 %	90.8 %
LO - Loaders	9.3	3.3	56.2	3.2	23.9	55.2	3.2	59.5	6.1	62.7	1.0	31.2	87.1 %	49.5 %	20.9	56.6 %	49.8 %	78.0 %
CAT994F - CAT994F	9.3	3.3	56.2	3.2	23.9	55.2	3.2	59.5	6.1	62.7	1.0	31.2	87.1 %	49.5 %	20.9	56.6 %	49.8 %	78.0 %
FL301 - FL301	0.2	1.7	20.6	1.5	9.4	20.4		22.3	0.2	23.8	0.2	11.0	99.2 %	46.4 %	23.8	54.0 %	46.2 %	85.7 %
FL302 - FL302	0.5	1.1	21.5	0.9	9.6	21.3		22.6	0.5	23.5	0.2	11.7	97.7 %	48.7 %	23.5	54.8 %	49.8 %	89.4 %
FL303 - FL303	8.6	0.5	14.2	0.8	4.9	13.5	3.2	14.7	5.4	15.4	0.7	8.5	64.2 %	55.5 %	15.4	63.4 %	55.5 %	59.0 %
HT - Haul trucks	126.5	78.0	555.8	55.7	41.2	549.5	50.7	633.8	75.8	689.5	6.3	508.2	84.5 %	0.0 %	38.3	92.5 %	73.7 %	68.1 %
CAT789C - CAT789C	58.8	39.0	279.9	30.3	20.8	276.8	24.0	318.9	34.8	349.2	3.2	255.9	85.6 %	0.0 %	31.7	92.5 %	73.3 %	68.6 %
TK401 - TK401	0.4	2.8	18.8	2.1	0.8	18.4		21.6	0.4	23.6	0.3	17.6	98.5 %	0.0 %	23.6	95.5 %	74.5 %	78.2 %
TK402 - TK402	10.0	1.9	8.1	4.0	0.7	8.0		10.0	10.0	14.0	0.1	7.3	58.2 %	0.0 %	7.0	91.0 %	52.3 %	33.8 %
TK403 - TK403		2.7	19.3	2.0	1.7	19.2		22.0		24.0	0.1	17.6	100.0 %	0.0 %		91.3 %	73.1 %	80.4 %
TK404 - TK404		1.8	20.9	1.3	1.7	20.5		22.7		24.0	0.4	18.9	100.0 %	0.0 %		91.8 %	78.6 %	87.1 %
TK405 - TK405		2.4	19.6	2.0	1.1	19.5		22.0		24.0	0.1	18.4	100.0 %	0.0 %		94.3 %	76.5 %	81.6 %
TK406 - TK406	4.4	1.4	15.7	2.5	0.6	14.9		17.1	4.4	19.6	0.7	14.4	81.7 %	0.0 %	19.6	96.2 %	73.3 %	65.3 %
TK407 - TK407	1.1	1.5	19.4	2.0	1.2	19.0		20.9	1.1	22.9	0.4	17.8	95.5 %	0.0 %	22.9	93.7 %	77.8 %	80.8 %
TK408 - TK408	2.3	2.6	17.6	1.4	1.4	17.6		20.3	2.3	21.7		16.2	90.5 %	0.0 %	10.9	91.9 %	74.5 %	73.5 %
TK409 - TK409	24.0						24.0						0.0 %					0.0 %
TK410 - TK410		2.5	19.8	1.7	1.6	19.7		22.3		24.0	0.1	18.1	100.0 %	0.0 %		91.8 %	75.3 %	82.6 %
TK411 - TK411	2.5	3.0	17.4	1.1	1.6	17.4		20.5	2.5	21.5	0.1	15.8	89.7 %	0.0 %	21.5	90.9 %	73.3 %	72.7 %
TK412 - TK412		2.5	18.9	2.6	1.1	18.9		21.4		24.0	0.1	17.8	100.0 %	0.0 %		94.3 %	74.1 %	78.9 %
TK413 - TK413		3.8	18.8	1.4	2.0	18.6		22.6		24.0	0.1	16.6	100.0 %	0.0 %		89.1 %	69.2 %	78.1 %
TK414 - TK414	0.4	2.2	19.1	2.2	2.2	19.1		21.4	0.4	23.6	0.1	16.8	98.3 %	0.0 %	23.6	88.4 %	71.4 %	79.7 %
TK415 - TK415		2.1	20.9	1.0	1.2	20.6		23.0		24.0	0.2	19.4	100.0 %	0.0 %		94.1 %	81.0 %	87.0 %
TK416 - TK416		3.7	19.2	1.1	1.3	18.9		22.9		24.0	0.4	17.6	100.0 %	0.0 %		93.3 %	73.4 %	80.2 %
TK417 - TK417	13.8	2.0	6.4	1.8	0.6	6.3		8.4	13.8	10.2	0.1	5.7	42.6 %	0.0 %	5.1	90.2 %	56.0 %	26.7 %
CAT789D - CAT789D	67.7	39.1	275.8	25.4	20.4	272.7	26.7	314.9	41.0	340.3	3.1	252.3	83.4 %	0.0 %	48.6	92.5 %	74.1 %	67.6 %
TK418 - TK418		2.5	20.3	1.1	1.0	20.2		22.9		24.0	0.1	19.2	100.0 %	0.0 %		95.0 %	80.1 %	84.7 %
TK419 - TK419	1.0	2.1	19.4	1.5	2.0	18.7		21.4	1.0	23.0	0.7	16.7	95.7 %	0.0 %	23.0	89.5 %	72.9 %	80.6 %
TK420 - TK420	3.9	3.8	14.5	1.8	0.7	14.2		18.3	3.9	20.1	0.2	13.5	83.9 %	0.0 %	20.1	95.1 %	67.2 %	60.2 %
TK421 - TK421		2.6	19.9	1.5	1.8	19.8		22.5		24.0	0.1	18.1	100.0 %	0.0 %		91.0 %	75.2 %	83.1 %
TK422 - TK422		2.5	20.8	0.7	1.1	20.7		23.3		24.0	0.1	19.6	100.0 %	0.0 %		94.6 %	81.5 %	86.5 %
TK423 - TK423	24.0						24.0						0.0 %					0.0 %
TK424 - TK424		2.1	19.8	2.1	2.2	19.8		21.9		24.0		17.7	100.0 %	0.0 %		89.1 %	73.6 %	82.6 %
TK425 - TK425		2.5	19.9	1.6	2.0	19.3		22.4		24.0	0.6	17.3	100.0 %	0.0 %		89.7 %	72.1 %	82.9 %
TK426 - TK426	2.5	2.1	16.7	2.7	1.6	16.7		18.8	2.5	21.5		15.1	89.7 %	0.0 %	21.5	90.4 %	70.1 %	69.5 %
TK427 - TK427		1.4	20.1	2.5	1.6	20.0		21.5		24.0	0.1	18.3	100.0 %	0.0 %		92.0 %	76.5 %	83.7 %
TK428 - TK428		3.4	18.2	2.3	1.4	18.2		21.7		24.0		16.9	100.0 %	0.0 %		92.3 %	70.2 %	76.0 %
TK429 - TK429	24.0								24.0				0.0 %					0.0 %
TK430 - TK430		3.0	18.9	2.1	0.8	18.8		21.9		24.0	0.1	18.0	100.0 %	0.0 %		95.9 %	75.1 %	78.8 %
TK431 - TK431	0.4	3.3	19.1	1.2	1.1	19.0		22.4	0.4	23.6	0.1	17.9	98.4 %	0.0 %	23.6	94.1 %	75.7 %	79.5 %
TK432 - TK432		2.7	19.8	1.5	1.3	19.6		22.5		24.0	0.2	18.2	100.0 %	0.0 %		93.2 %	76.0 %	82.4 %
TK433 - TK433	9.2	1.9	11.0	2.0	1.1	10.4		12.9	9.2	14.8	0.5	9.4	61.7 %	0.0 %	7.4	89.6 %	63.2 %	45.7 %
TK434 - TK434	2.7	3.1	17.5	0.7	0.8	17.2	2.7	20.6		21.3	0.3	16.5	88.7 %	0.0 %		95.5 %	77.4 %	72.9 %
DR - Drills	28.6	15.0	71.4	5.0		68.2	21.5	86.4	7.1	91.4	3.2	68.2	76.2 %	0.0 %	18.3	100.0 %	74.6 %	59.5 %
D45K S - D45K S	3.7	7.2	34.7	2.4		33.2		41.9	3.7	44.3	1.5	33.2	92.3 %	0.0 %	14.8	100.0 %	74.9 %	72.4 %
DR105 - DR105	1.7	1.5	19.8	1.0		18.4		21.3	1.7	22.3	1.3	18.4	92.8 %	0.0 %	11.1	100.0 %	82.8 %	82.4 %

MTR011- Fleet Timeline

Time: Visual Equipment Status Timeline by Unit

Key Metrics:

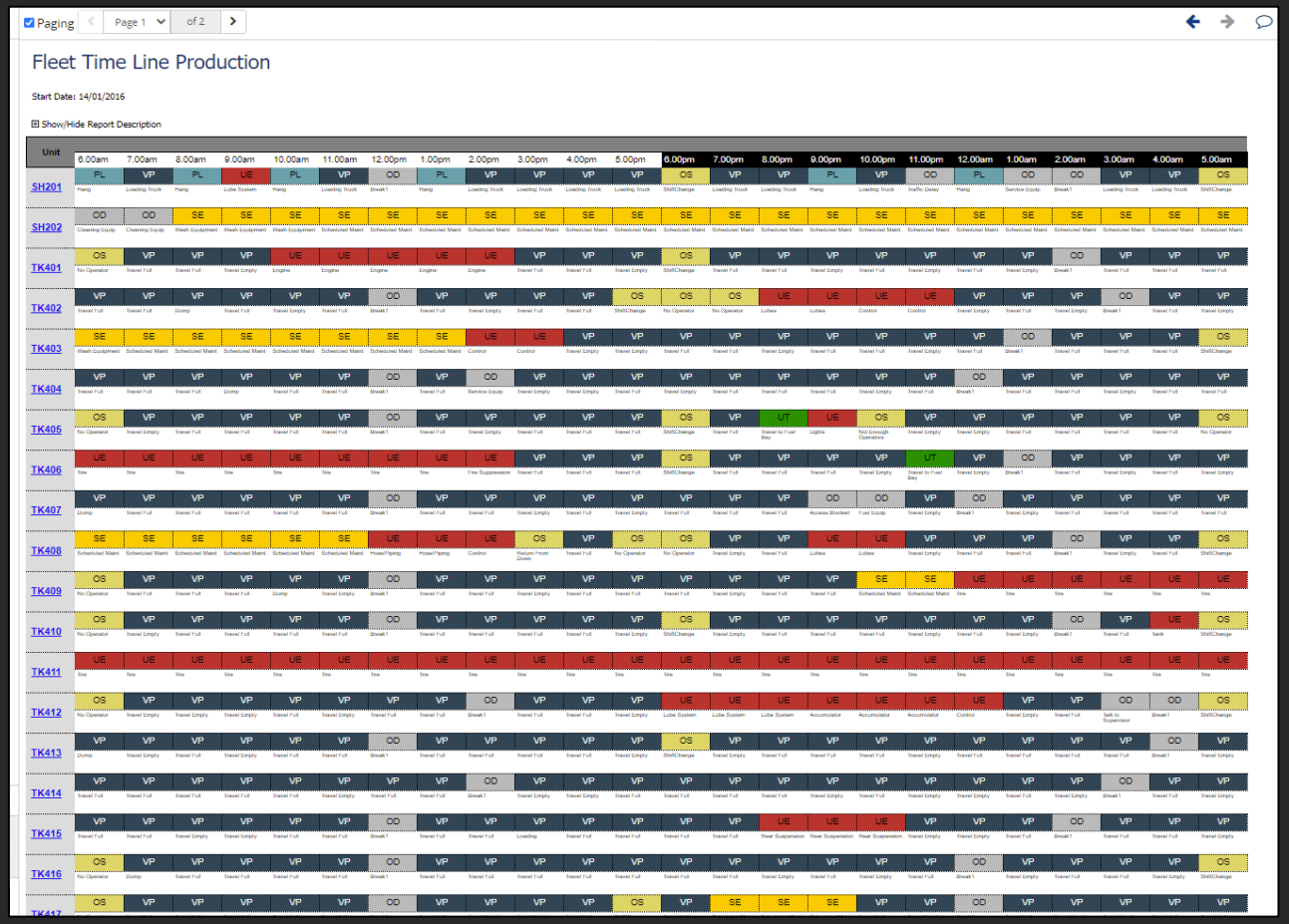
- Time Model Components, Time Metrics

Insights:

- Get High Level View of Equipment Status throughout a shift

Filters:

Fleet Type, Owner, Time Component



MTR027- Event Details

Export Friendly

Time: Event Detail at Gradual Level

Key Metrics:

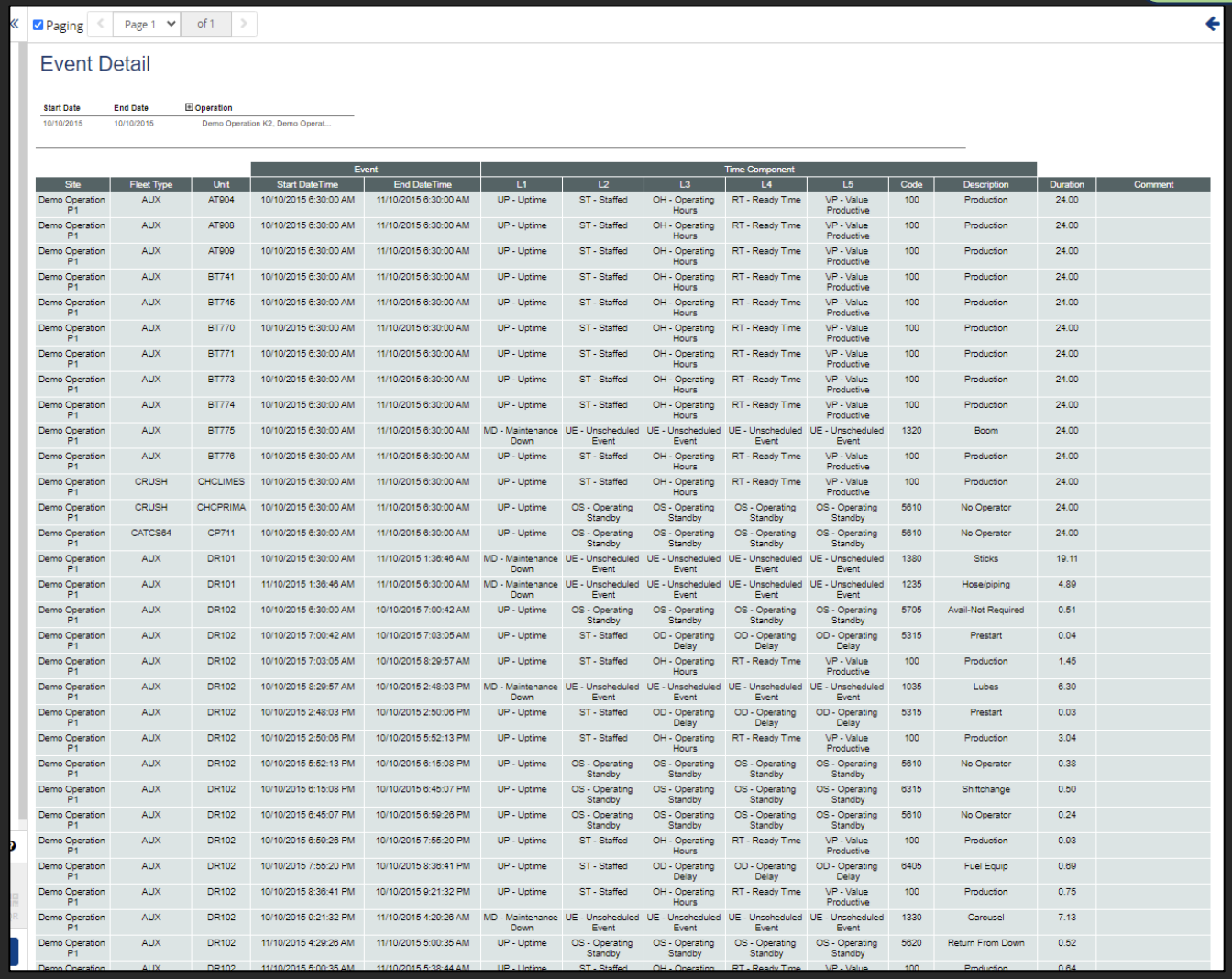
- Units, Time Components (all levels), Durations

Insights:

- Detail Drill down of Events- ideal for export

Filters:

Fleet Type, Owner, Time Component



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Event Detail

Start Date	End Date	Operation
10/10/2015	10/10/2015	Demo Operation K2, Demo Operat...

			Event		Time Component								
Site	Fleet Type	Unit	Start DateTime	End DateTime	L1	L2	L3	L4	L5	Code	Description	Duration	Comment
Demo Operation P1	AUX	AT904	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	AT908	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	AT909	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	BT741	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	BT745	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	BT770	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	BT771	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	BT773	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	BT774	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	AUX	BT775	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	MD - Maintenance Down	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	1320	Boom	24.00	
Demo Operation P1	AUX	BT776	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	CRUSH	CHCLIMES	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	24.00	
Demo Operation P1	CRUSH	CHCPRIMA	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	5610	No Operator	24.00	
Demo Operation P1	CATCS64	CP711	10/10/2015 6:30:00 AM	11/10/2015 6:30:00 AM	UP - Uptime	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	5610	No Operator	24.00	
Demo Operation P1	AUX	DR101	10/10/2015 6:30:00 AM	11/10/2015 1:36:46 AM	MD - Maintenance Down	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	1380	Sticks	19.11	
Demo Operation P1	AUX	DR101	11/10/2015 1:36:46 AM	11/10/2015 6:30:00 AM	MD - Maintenance Down	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	1235	Hose/piping	4.89	
Demo Operation P1	AUX	DR102	10/10/2015 6:30:00 AM	10/10/2015 7:00:42 AM	UP - Uptime	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	5705	Avail-Not Required	0.51	
Demo Operation P1	AUX	DR102	10/10/2015 7:00:42 AM	10/10/2015 7:03:05 AM	UP - Uptime	ST - Staffed	OD - Operating Delay	OD - Operating Delay	OD - Operating Delay	5315	Prestart	0.04	
Demo Operation P1	AUX	DR102	10/10/2015 7:03:05 AM	10/10/2015 8:29:57 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	1.45	
Demo Operation P1	AUX	DR102	10/10/2015 8:29:57 AM	10/10/2015 2:48:03 PM	MD - Maintenance Down	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	1035	Lubes	6.30	
Demo Operation P1	AUX	DR102	10/10/2015 2:48:03 PM	10/10/2015 2:50:06 PM	UP - Uptime	ST - Staffed	OD - Operating Delay	OD - Operating Delay	OD - Operating Delay	5315	Prestart	0.03	
Demo Operation P1	AUX	DR102	10/10/2015 2:50:06 PM	10/10/2015 5:52:13 PM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	3.04	
Demo Operation P1	AUX	DR102	10/10/2015 5:52:13 PM	10/10/2015 6:15:08 PM	UP - Uptime	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	5610	No Operator	0.38	
Demo Operation P1	AUX	DR102	10/10/2015 6:15:08 PM	10/10/2015 6:45:07 PM	UP - Uptime	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	6315	Shiftchange	0.50	
Demo Operation P1	AUX	DR102	10/10/2015 6:45:07 PM	10/10/2015 6:59:26 PM	UP - Uptime	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	5610	No Operator	0.24	
Demo Operation P1	AUX	DR102	10/10/2015 6:59:26 PM	10/10/2015 7:55:20 PM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	0.93	
Demo Operation P1	AUX	DR102	10/10/2015 7:55:20 PM	10/10/2015 8:36:41 PM	UP - Uptime	ST - Staffed	OD - Operating Delay	OD - Operating Delay	OD - Operating Delay	6405	Fuel Equip	0.69	
Demo Operation P1	AUX	DR102	10/10/2015 8:36:41 PM	10/10/2015 9:21:32 PM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	0.75	
Demo Operation P1	AUX	DR102	10/10/2015 9:21:32 PM	11/10/2015 4:29:26 AM	MD - Maintenance Down	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	UE - Unscheduled Event	1330	Carousel	7.13	
Demo Operation P1	AUX	DR102	11/10/2015 4:29:26 AM	11/10/2015 5:00:35 AM	UP - Uptime	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	OS - Operating Standby	5620	Return From Down	0.52	
Demo Operation P1	AUX	DR102	11/10/2015 5:00:35 AM	11/10/2015 5:38:44 AM	UP - Uptime	ST - Staffed	OH - Operating Hours	RT - Ready Time	VP - Value Productive	100	Production	0.64	

Standard Reports

Drilling

MDR001 – Drilling Accuracy Report

MDR003 – Drill Hole List

MDR004 – Drilling Information

MDR001- Drilling Accuracy

Trending Graphics

Drill: Drill Depth Accuracy and XY Accuracy

Key Metrics:

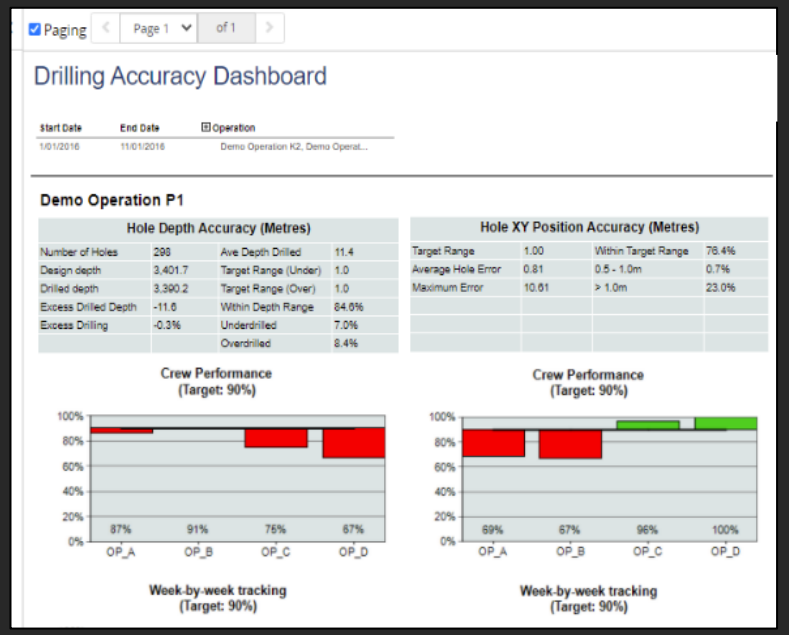
- Units, Time Components (all levels), Durations

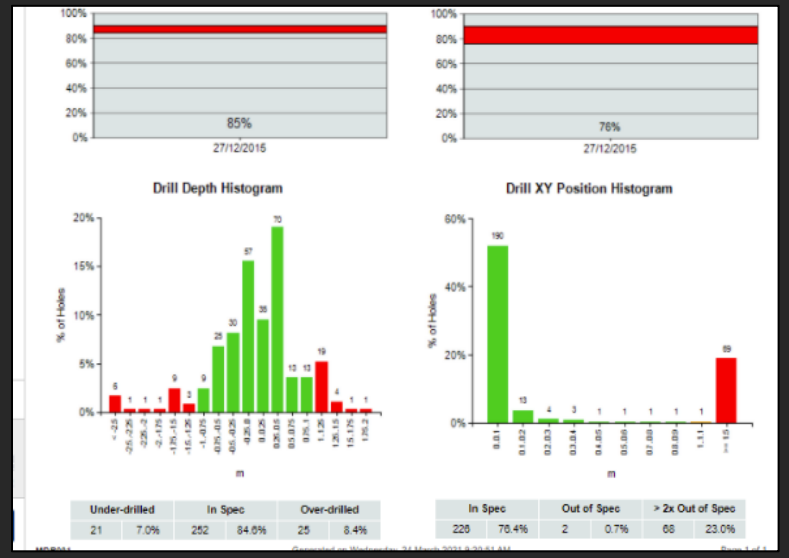
Insights:

- Detail Drill down of Events- ideal for export

Filters:

Depth Bucket (Min, Max), YX Bucket (Min, Max), Unit





MDR003- Drill Hole List

Export Friendly

Drill: Drill Hole List

Key Metrics:

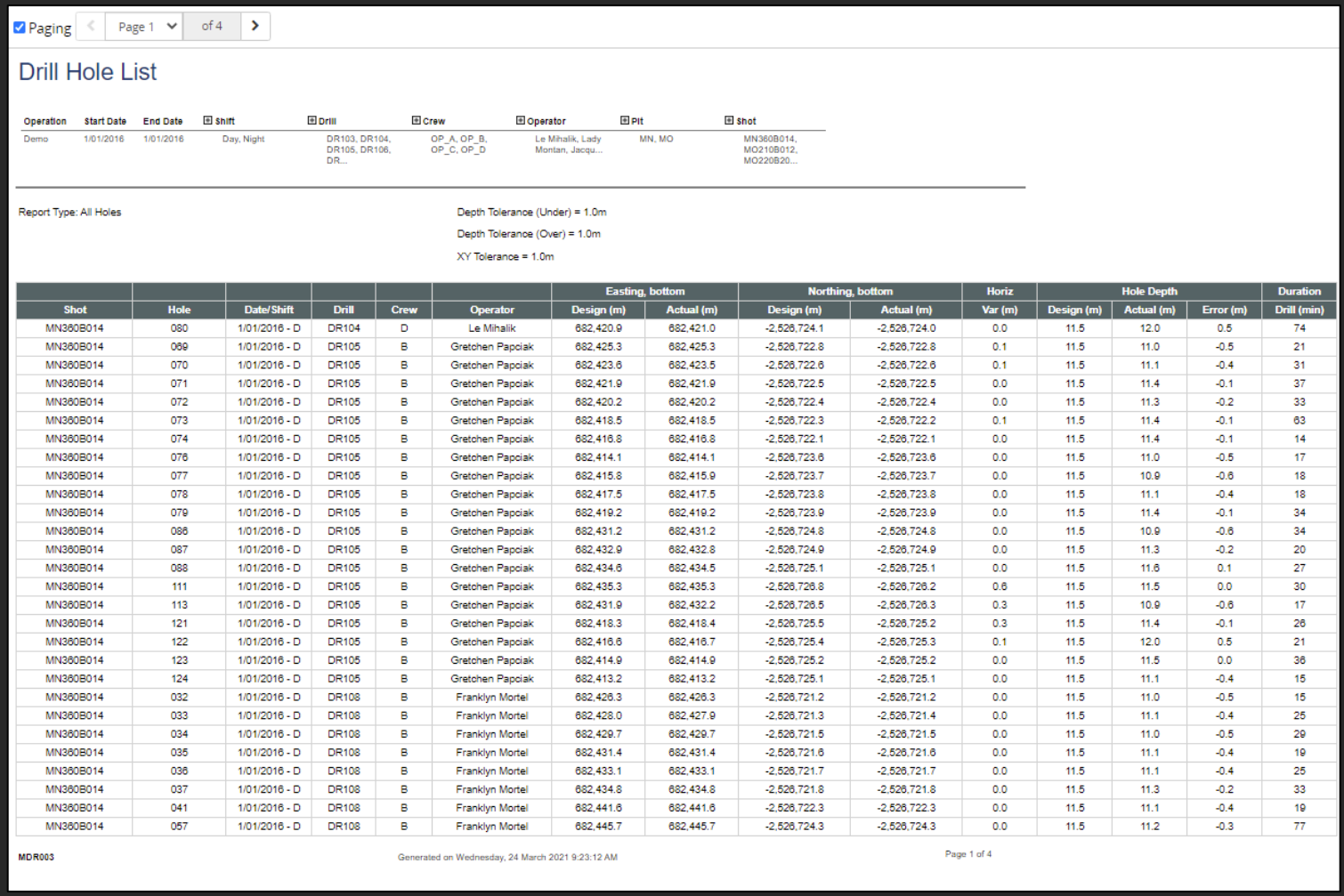
- Shot, Hole, Crew, Operator, Easting bottom and Northing bottom (Design vs Actual), Horiz variance, Hole Depth (Design vs Actual), Error, Drill Durations

Insights:

- Find Drill Hole details for any subset of drill info selected.

Filters:

Shift, Owner, Drill, Crew, Operator, Pit, Bench, Location, XY Tolerance



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Drill Hole List

Operation	Start Date	End Date	Shift	Drill	Crew	Operator	Pit	Shot
Demo	1/01/2016	1/01/2016	Day, Night	DR103, DR104, DR105, DR106, DR...	OP_A, OP_B, OP_C, OP_D	Le Mihalik, Lady Montan, Jacqu...	MN, MO	MN360B014, MO210B012, MO220B20...

Report Type: All Holes

Depth Tolerance (Under) = 1.0m

Depth Tolerance (Over) = 1.0m

XY Tolerance = 1.0m

						Easting, bottom		Northing, bottom		Horiz	Hole Depth			Duration
Shot	Hole	Date/Shift	Drill	Crew	Operator	Design (m)	Actual (m)	Design (m)	Actual (m)	Var (m)	Design (m)	Actual (m)	Error (m)	Drill (min)
MN360B014	080	1/01/2016 - D	DR104	D	Le Mihalik	682,420.9	682,421.0	-2,526,724.1	-2,526,724.0	0.0	11.5	12.0	0.5	74
MN360B014	069	1/01/2016 - D	DR105	B	Gretchen Papciak	682,425.3	682,425.3	-2,526,722.8	-2,526,722.8	0.1	11.5	11.0	-0.5	21
MN360B014	070	1/01/2016 - D	DR105	B	Gretchen Papciak	682,423.6	682,423.5	-2,526,722.6	-2,526,722.6	0.1	11.5	11.1	-0.4	31
MN360B014	071	1/01/2016 - D	DR105	B	Gretchen Papciak	682,421.9	682,421.9	-2,526,722.5	-2,526,722.5	0.0	11.5	11.4	-0.1	37
MN360B014	072	1/01/2016 - D	DR105	B	Gretchen Papciak	682,420.2	682,420.2	-2,526,722.4	-2,526,722.4	0.0	11.5	11.3	-0.2	33
MN360B014	073	1/01/2016 - D	DR105	B	Gretchen Papciak	682,418.5	682,418.5	-2,526,722.3	-2,526,722.2	0.1	11.5	11.4	-0.1	63
MN360B014	074	1/01/2016 - D	DR105	B	Gretchen Papciak	682,416.8	682,416.8	-2,526,722.1	-2,526,722.1	0.0	11.5	11.4	-0.1	14
MN360B014	076	1/01/2016 - D	DR105	B	Gretchen Papciak	682,414.1	682,414.1	-2,526,723.6	-2,526,723.6	0.0	11.5	11.0	-0.5	17
MN360B014	077	1/01/2016 - D	DR105	B	Gretchen Papciak	682,415.8	682,415.9	-2,526,723.7	-2,526,723.7	0.0	11.5	10.9	-0.6	18
MN360B014	078	1/01/2016 - D	DR105	B	Gretchen Papciak	682,417.5	682,417.5	-2,526,723.8	-2,526,723.8	0.0	11.5	11.1	-0.4	18
MN360B014	079	1/01/2016 - D	DR105	B	Gretchen Papciak	682,419.2	682,419.2	-2,526,723.9	-2,526,723.9	0.0	11.5	11.4	-0.1	34
MN360B014	086	1/01/2016 - D	DR105	B	Gretchen Papciak	682,431.2	682,431.2	-2,526,724.8	-2,526,724.8	0.0	11.5	10.9	-0.6	34
MN360B014	087	1/01/2016 - D	DR105	B	Gretchen Papciak	682,432.9	682,432.8	-2,526,724.9	-2,526,724.9	0.0	11.5	11.3	-0.2	20
MN360B014	088	1/01/2016 - D	DR105	B	Gretchen Papciak	682,434.6	682,434.5	-2,526,725.1	-2,526,725.1	0.0	11.5	11.6	0.1	27
MN360B014	111	1/01/2016 - D	DR105	B	Gretchen Papciak	682,435.3	682,435.3	-2,526,726.8	-2,526,726.2	0.6	11.5	11.5	0.0	30
MN360B014	113	1/01/2016 - D	DR105	B	Gretchen Papciak	682,431.9	682,432.2	-2,526,726.5	-2,526,726.3	0.3	11.5	10.9	-0.6	17
MN360B014	121	1/01/2016 - D	DR105	B	Gretchen Papciak	682,418.3	682,418.4	-2,526,725.5	-2,526,725.2	0.3	11.5	11.4	-0.1	26
MN360B014	122	1/01/2016 - D	DR105	B	Gretchen Papciak	682,416.6	682,416.7	-2,526,725.4	-2,526,725.3	0.1	11.5	12.0	0.5	21
MN360B014	123	1/01/2016 - D	DR105	B	Gretchen Papciak	682,414.9	682,414.9	-2,526,725.2	-2,526,725.2	0.0	11.5	11.5	0.0	36
MN360B014	124	1/01/2016 - D	DR105	B	Gretchen Papciak	682,413.2	682,413.2	-2,526,725.1	-2,526,725.1	0.0	11.5	11.1	-0.4	15
MN360B014	032	1/01/2016 - D	DR108	B	Franklyn Mortel	682,426.3	682,426.3	-2,526,721.2	-2,526,721.2	0.0	11.5	11.0	-0.5	15
MN360B014	033	1/01/2016 - D	DR108	B	Franklyn Mortel	682,428.0	682,427.9	-2,526,721.3	-2,526,721.4	0.0	11.5	11.1	-0.4	25
MN360B014	034	1/01/2016 - D	DR108	B	Franklyn Mortel	682,429.7	682,429.7	-2,526,721.5	-2,526,721.5	0.0	11.5	11.0	-0.5	29
MN360B014	035	1/01/2016 - D	DR108	B	Franklyn Mortel	682,431.4	682,431.4	-2,526,721.6	-2,526,721.6	0.0	11.5	11.1	-0.4	19
MN360B014	036	1/01/2016 - D	DR108	B	Franklyn Mortel	682,433.1	682,433.1	-2,526,721.7	-2,526,721.7	0.0	11.5	11.1	-0.4	25
MN360B014	037	1/01/2016 - D	DR108	B	Franklyn Mortel	682,434.8	682,434.8	-2,526,721.8	-2,526,721.8	0.0	11.5	11.3	-0.2	33
MN360B014	041	1/01/2016 - D	DR108	B	Franklyn Mortel	682,441.6	682,441.6	-2,526,722.3	-2,526,722.3	0.0	11.5	11.1	-0.4	19
MN360B014	057	1/01/2016 - D	DR108	B	Franklyn Mortel	682,445.7	682,445.7	-2,526,724.3	-2,526,724.3	0.0	11.5	11.2	-0.3	77

MDR003 Generated on Wednesday, 24 March 2021 9:23:12 AM Page 1 of 4

MDR004- Drilling Information

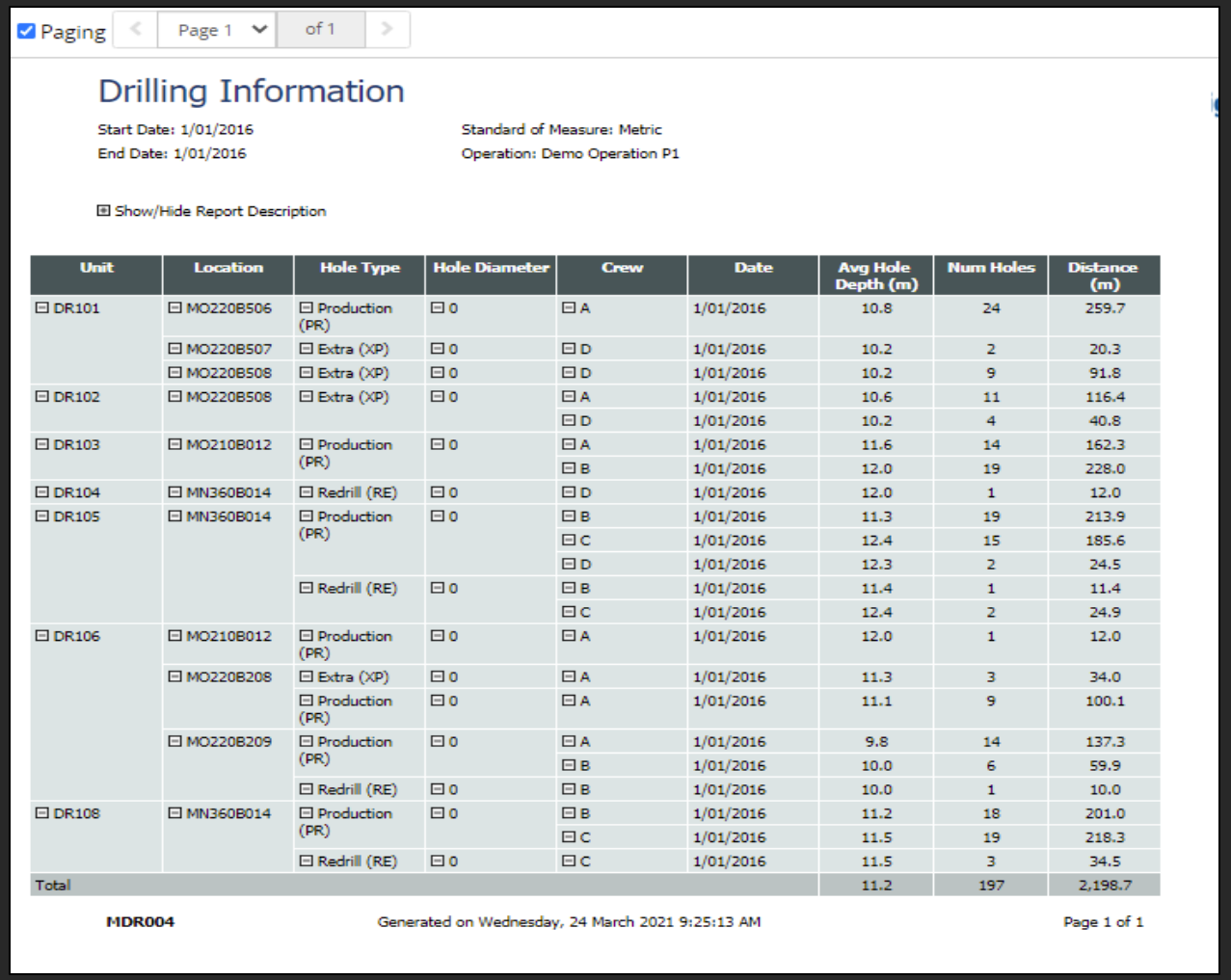
Export Friendly

Drill: Drilling Information Grouped

Key Metrics:
For Selected Aggregation:
- Hole Count
- Drill Distance
- Avg Hole Depth

Insights:
- Hole and Depth info aggregated to your specifications for drilling investigation

Filters:
Owner
Group By Options:
Unit, Location, Hole Type, Hole Diameter, Crew, Date



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Drilling Information

Start Date: 1/01/2016
End Date: 1/01/2016
Standard of Measure: Metric
Operation: Demo Operation P1

Show/Hide Report Description

Unit	Location	Hole Type	Hole Diameter	Crew	Date	Avg Hole Depth (m)	Num Holes	Distance (m)
DR101	MO220B506	Production (PR)	0	A	1/01/2016	10.8	24	259.7
	MO220B507	Extra (XP)	0	D	1/01/2016	10.2	2	20.3
	MO220B508	Extra (XP)	0	D	1/01/2016	10.2	9	91.8
DR102	MO220B508	Extra (XP)	0	A	1/01/2016	10.6	11	116.4
				D	1/01/2016	10.2	4	40.8
DR103	MO210B012	Production (PR)	0	A	1/01/2016	11.6	14	162.3
				B	1/01/2016	12.0	19	228.0
DR104	MN360B014	Redrill (RE)	0	D	1/01/2016	12.0	1	12.0
DR105	MN360B014	Production (PR)	0	B	1/01/2016	11.3	19	213.9
				C	1/01/2016	12.4	15	185.6
				D	1/01/2016	12.3	2	24.5
		Redrill (RE)	0	B	1/01/2016	11.4	1	11.4
				C	1/01/2016	12.4	2	24.9
DR106	MO210B012	Production (PR)	0	A	1/01/2016	12.0	1	12.0
	MO220B208	Extra (XP)	0	A	1/01/2016	11.3	3	34.0
		Production (PR)	0	A	1/01/2016	11.1	9	100.1
	MO220B209	Production (PR)	0	A	1/01/2016	9.8	14	137.3
				B	1/01/2016	10.0	6	59.9
		Redrill (RE)	0	B	1/01/2016	10.0	1	10.0
DR108	MN360B014	Production (PR)	0	B	1/01/2016	11.2	18	201.0
				C	1/01/2016	11.5	19	218.3
		Redrill (RE)	0	C	1/01/2016	11.5	3	34.5
Total						11.2	197	2,198.7

MDR004 Generated on Wednesday, 24 March 2021 9:25:13 AM Page 1 of 1

Standard Reports

Maintenance

MAH005 – Top 5 Timecodes

MAH006 – HME Graphs

IP04R001 – Cause Summary

IP05R002 – Cause by Unit and Operator

MAH005- Top 5 Timecodes

Maintenance- Top Events by Time Component

Key Metrics:

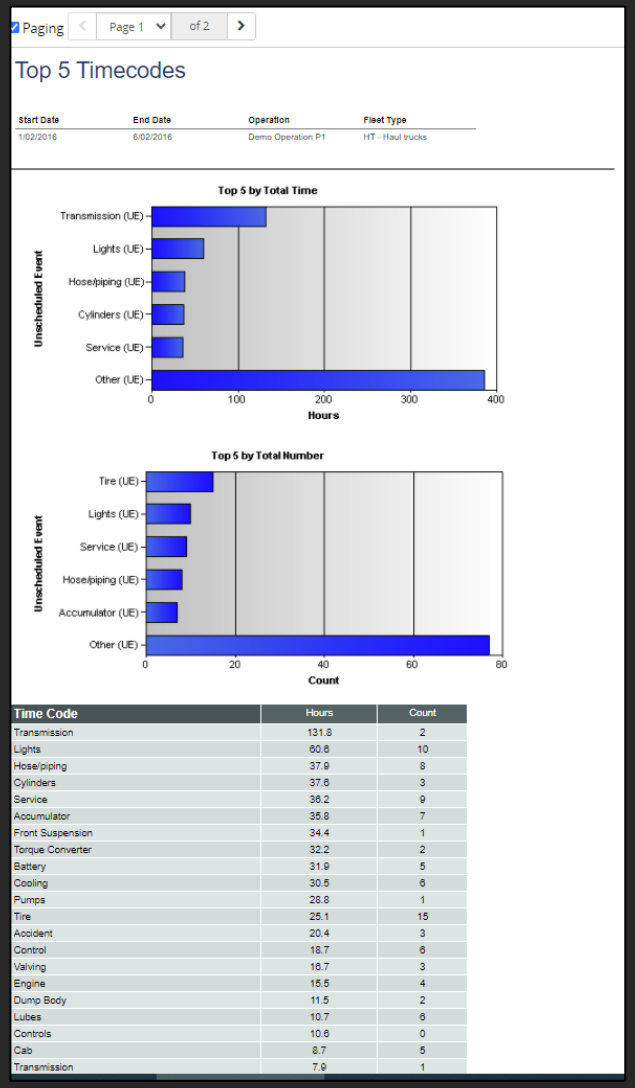
- Time Durations in Hours
- Time Event Counts
- Time Codes

Insights:

- Identify Top Time Events effecting site efficiency

Filters:

Time Component, Fleet Type, Fleet, Unit



Time Code	Hours	Count
Transmission	131.8	2
Lights	60.6	10
Hose/piping	37.9	8
Cylinders	37.6	3
Service	36.2	9
Accumulator	35.8	7
Front Suspension	34.4	1
Torque Converter	32.2	2
Battery	31.9	5
Cooling	30.5	6
Pumps	28.8	1
Tire	25.1	15
Accident	20.4	3
Control	18.7	6
Valving	16.7	3
Engine	15.5	4
Dump Body	11.5	2
Lubes	10.7	6
Controls	10.6	0
Cab	8.7	5
Transmission	7.9	1

Trending Graphics

MAH006- HME Graphs

Trending Graphics

Maintenance- Top Events by Time Component

Key Metrics:

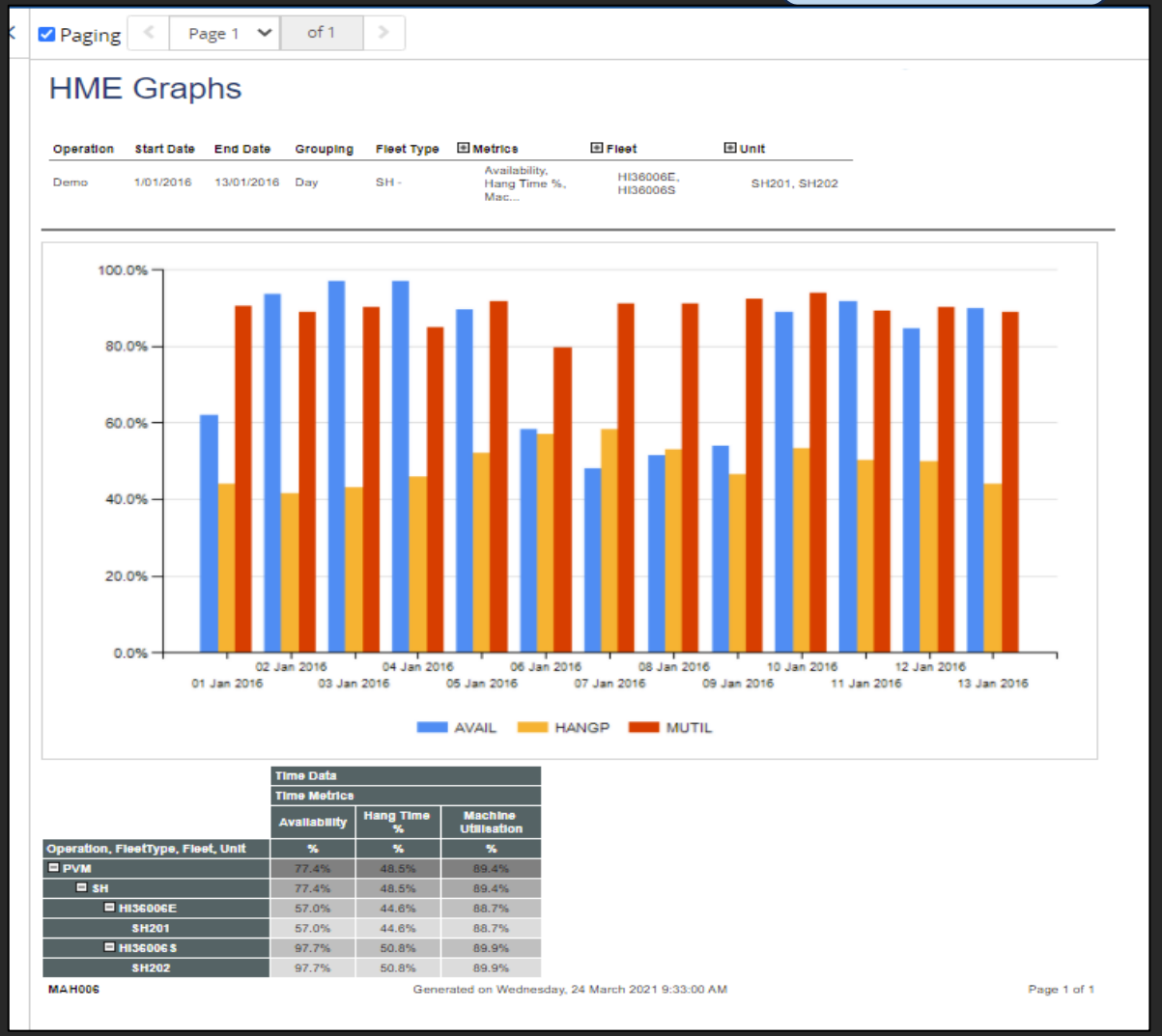
- Time Metrics over Time
- Grouped by Fleets and Time periods

Insights:

- Trend KPIs over time for Time Metrics

Filters:

Fleet, Fleet Type, Unit, Day Aggregation, KPI Metrics



IPO4R001- Cause Summary

Trending Graphics

Maintenance- Asset Heath Cause Stats by Month

Key Metrics:

- Health Events for time periods

Insights:

- Reliability Dashboard showing rates of health events

Filters:

Crew, Source, Event List

IPO4R002- Cause by Unit and Operator

Maintenance- Machine Health Alerts

Export Friendly

Key Metrics:

- Health alerts by Crew, Unit, Operator

Insights:

- Deep Dive on health events. Export friendly for health alert cause analysis

Filters:

Fleet Type, Fleet

Supervisor Overview Report

Operation	Start Date	End Date	Fleet Type	Fleet
	2/12/2020	2/12/2020	TEST, Bucket wheel excavators,...	30006E, 40006E, 40006F, 6060EX...

Crew	Unit	Name	Utilised time hours	Fuel Pressure Sensor - Before Fuel Filter alarm	Right Rear Outer Tire Pressure/Temperature Sensor alarm	Ethernet Data Link #1 alarm	Time Synchronization Input Signal #5 alarm	Engine Control Module alarm	Transmission Solenoid 2 alarm	Intake Manifold #2 Air Temperature Sensor alarm	Fuel Rail Temperature Sensor alarm	Turbocharger #3 Compressor Inlet Pressure Sensor alarm	Machine Position Sensing Control Module Data Link #5 alarm	Differential (Axle) Lube Pressure Sensor alarm	Machine Application alarm
⊟9	⊞03H8049	Total	0.00	0	0	0	0	0	0	0	0	0	0	0	0
	⊞04H3689	Total	0.00	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H111	Total	22.64	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H112	Total	11.03	0	1	3	0	0	0	0	0	0	6	0	4
	⊞06H1509	Total	0.00	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H166	Total	0.00	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H186	Total	0.00	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H253	Total	0.00	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H262	Total	22.12	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H263	Total	21.40	0	1	0	0	0	0	0	0	0	0	0	0
	⊞06H264	Total	22.91	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H265	Total	23.12	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H266	Total	10.65	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H273	Total	22.10	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H310	Total	22.94	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H311	Total	19.19	0	0	1	0	0	0	0	0	0	0	0	0
	⊞06H312	Total	11.28	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H314	Total	22.70	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H315	Total	22.79	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H316	Total	12.69	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H317	Total	22.80	0	0	1	0	0	0	0	0	0	0	0	0
	⊞06H318	Total	10.99	0	1	0	0	0	0	0	0	0	0	0	0
	⊞06H319	Total	21.01	0	1	1	0	0	0	0	0	0	0	0	0
	⊞06H321	Total	21.48	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H323	Total	20.83	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H324	Total	11.26	0	0	0	0	0	0	0	0	0	0	0	0
	⊞06H380	Total	0.00	0	0	0	0	0	0	0	0	0	0	0	0

Standard Dashboards

Production

DPR001 – Day Production

DPR002 – Month Production

DPR003 – Payload

DPR001- Day Production

Trending Graphics

Production

Key Metrics:

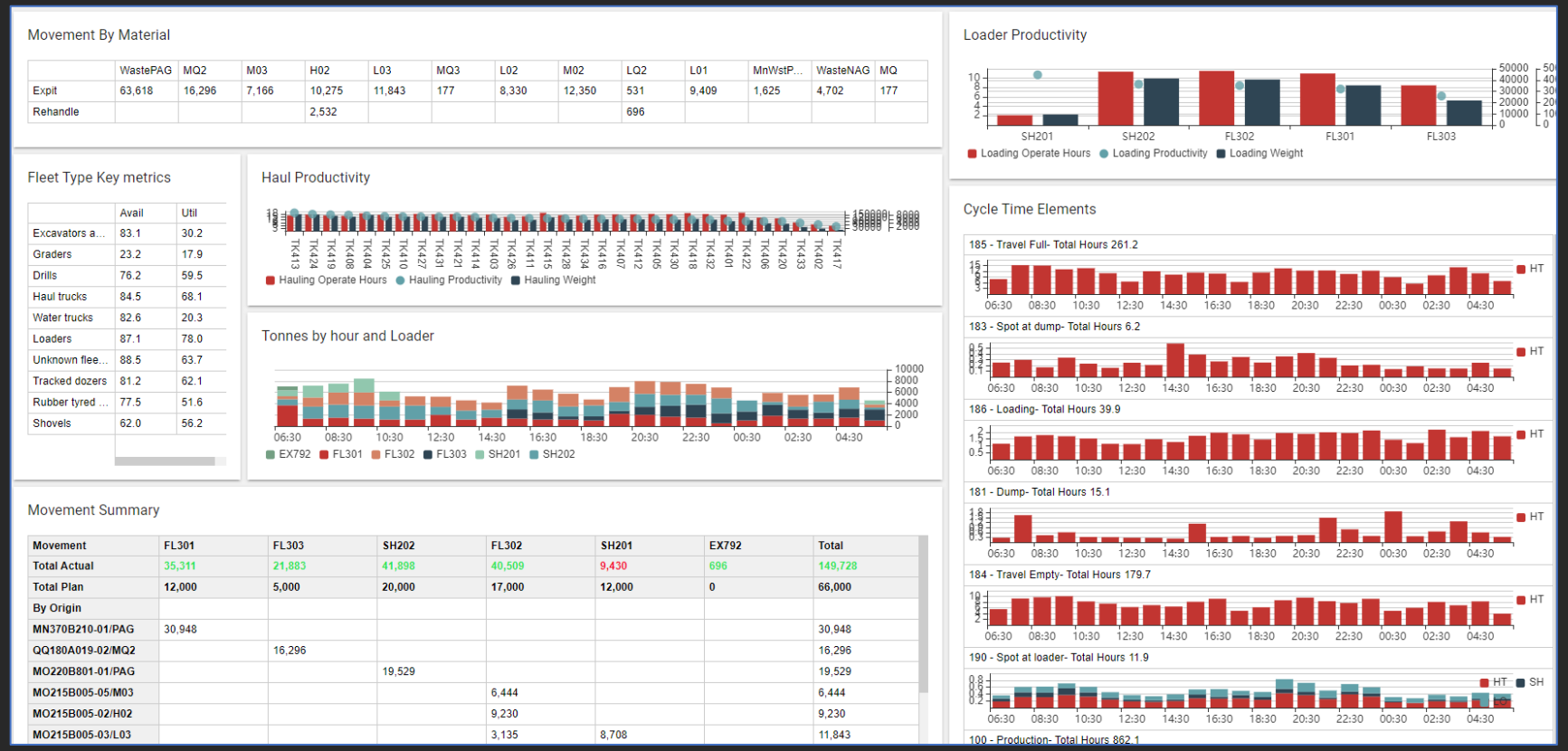
Material type by Location, Avail and Util by Fleets, Loader Productivity by Unit, Cycle Breakdown by Time component

Movement Summary

Insights:

- High Level View of Mine Operations Daily on one page

Generic version expected 2025 Q1



	WastePAG	MQ2	M03	H02	L03	MQ3	L02	M02	LQ2	L01	MnWstP...	WasteNAG	MQ
Expit	63,618	16,296	7,166	10,275	11,843	177	8,330	12,350	531	9,409	1,625	4,702	177
Rehandle				2,532					696				

	Avail	Util
Excavators a...	83.1	30.2
Graders	23.2	17.9
Drills	76.2	59.5
Haul trucks	84.5	68.1
Water trucks	82.6	20.3
Loaders	87.1	78.0
Unknown flee...	88.5	63.7
Tracked dozers	81.2	62.1
Rubber tyred ...	77.5	51.6
Shovels	62.0	56.2

Movement	FL301	FL303	SH202	FL302	SH201	EX792	Total
Total Actual	35,311	21,883	41,898	40,509	9,430	696	149,728
Total Plan	12,000	5,000	20,000	17,000	12,000	0	66,000
By Origin							
MN370B210-01/PAG	30,948						30,948
QQ180A019-02/MQ2		16,296					16,296
MO220B801-01/PAG			19,529				19,529
MO215B005-05/M03				6,444			6,444
MO215B005-02/H02				9,230			9,230
MO215B005-03/L03				3,135	8,708		11,843

DPR002- Monthly Production

Trending Graphics

Production

Key Metrics:

Material Movement by Day, Time Breakdown by Fleets, Loader Productivity by Unit, Cycle Breakdown by Time component

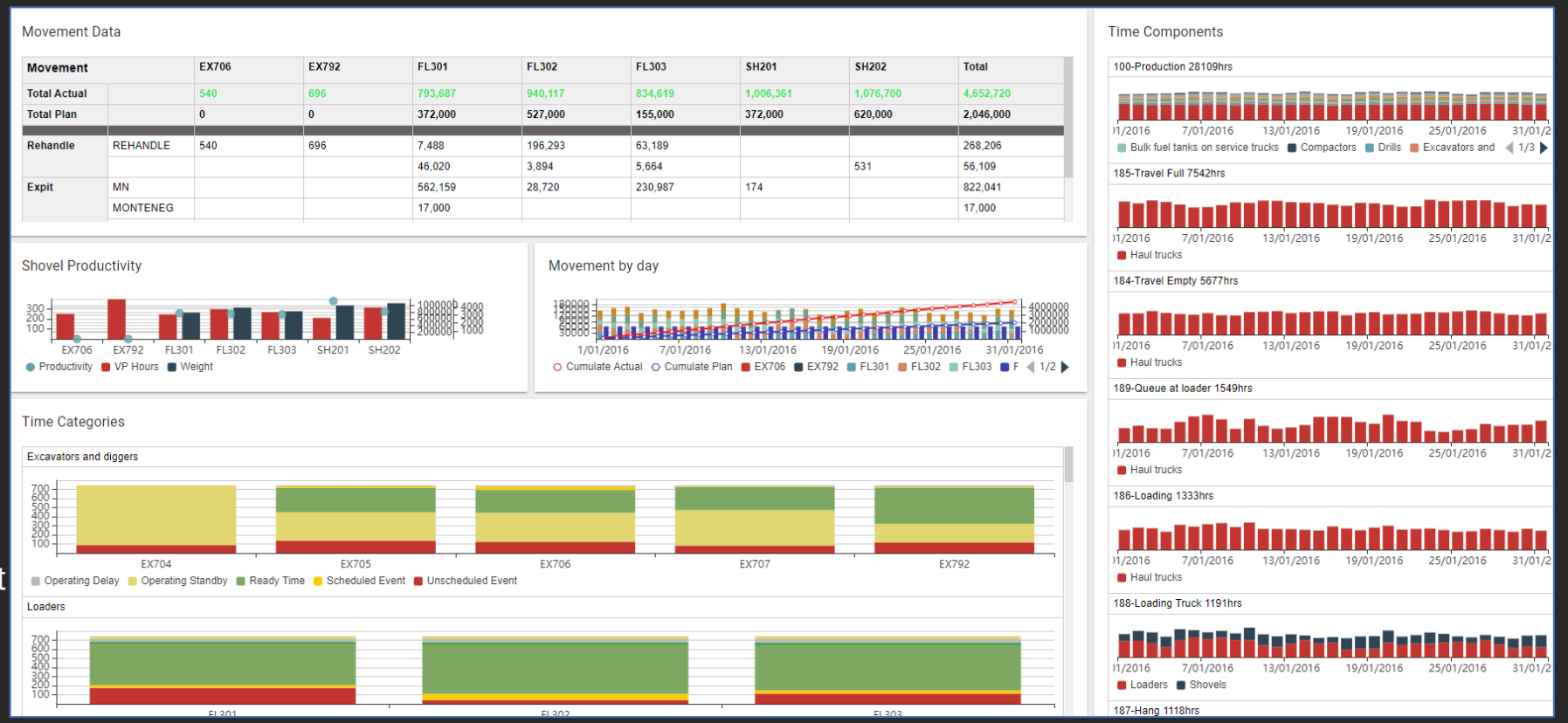
Movement Summary

Insights:

- High Level View of Mine Operations Monthly on one page

NB: Planned values may not be available without additional module

Generic version expected 2025 Q1



DPR003- Payload

Trending Graphics

Production

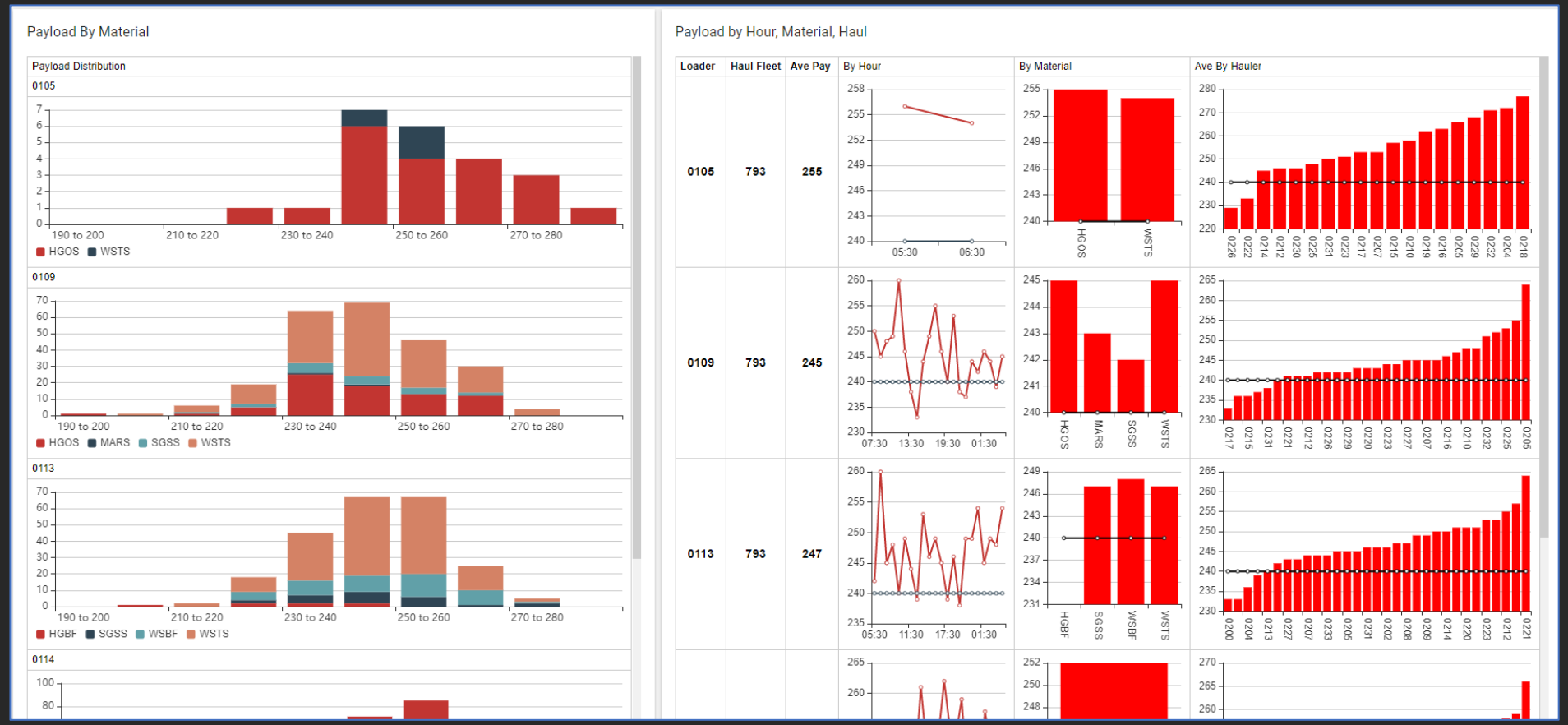
Key Metrics:

Payload Histogram by Material

Payload Trending by Loader

Insights:

- See How Loader and Material Types compare on payload



Standard Dashboards

Time and Maintenance

DTR001 – Time Data

DTR002 – SMU

DTR003 – Unit Current Status

DTR001- Time Data

Trending Graphics

Time and Maintenance

Key Metrics:
Time Component Breakdown by Equipment Type

Insights:

- See Time Breakdown at a high level

DTR002- SMU

Export Friendly

Time and Maintenance

Key Metrics:

SMU Clock Data

Start and End times for events

Insights:

- Dive into specific events and SMU timing

Filters:

Fleet, Time Component

Generic version expected 2025 Q1

File | DTR002 SMU

SMU Clock Data

			Clock Start	Clock End	Smu type
CAT994F	FL301	1/01/2016 6:05 PM	28,731.40	28,742.40	MACHINE
		2/01/2016 6:10 AM	28,742.40	28,752.60	MACHINE
	FL302	1/01/2016 6:29 PM	28,337.90	28,349.30	MACHINE
		2/01/2016 6:10 AM	28,349.30	28,359.80	MACHINE
	FL303	1/01/2016 10:28 PM	0.00	0.00	MACHINE
CAT789C	TK401	1/01/2016 6:00 PM	28,347.30	28,357.00	MACHINE
		2/01/2016 6:10 AM	28,357.00	28,366.60	MACHINE
	TK402	1/01/2016 6:10 PM	27,828.70	27,835.20	MACHINE
		2/01/2016 6:20 AM	27,835.20	27,838.20	MACHINE
	TK403	1/01/2016 6:00 PM	22,098.30	22,108.20	MACHINE
		2/01/2016 6:00 AM	22,108.20	22,118.00	MACHINE
	TK404	1/01/2016 6:00 PM	25,631.20	25,641.60	MACHINE
		2/01/2016 6:20 AM	25,641.60	25,652.20	MACHINE
	TK405	1/01/2016 5:50 PM	25,664.40	25,674.60	MACHINE
		2/01/2016 6:00 AM	25,674.60	25,684.40	MACHINE
	TK406	1/01/2016 6:00 PM	27,092.60	27,098.10	MACHINE
		2/01/2016 6:00 AM	27,098.10	27,108.30	MACHINE
	TK407	1/01/2016 6:00 PM	23,224.30	23,233.80	MACHINE
		2/01/2016 6:10 AM	23,233.80	23,242.00	MACHINE
	TK408	1/01/2016 6:20 PM	27,042.50	27,053.00	MACHINE
		2/01/2016 6:00 AM	27,053.00	27,061.40	MACHINE
	TK409	1/01/2016 5:00 PM	23,689.30	23,690.00	MACHINE
	TK410	1/01/2016 6:00 PM	29,450.50	29,460.90	MACHINE
		2/01/2016 6:20 AM	29,460.90	29,471.10	MACHINE
	TK411	1/01/2016 6:20 PM	26,102.30	26,109.90	MACHINE
		2/01/2016 6:10 AM	26,109.90	26,120.60	MACHINE
	TK412	1/01/2016 6:10 PM	26,380.30	26,390.60	MACHINE
		2/01/2016 6:00 AM	26,390.60	26,400.00	MACHINE
	TK413	1/01/2016 4:20 PM	22,256.10	22,264.00	MACHINE
		2/01/2016 6:00 AM	22,264.00	22,274.50	MACHINE
	TK414	1/01/2016 6:00 PM	24,259.90	24,269.80	MACHINE
		2/01/2016 6:10 AM	24,269.80	24,279.80	MACHINE
	TK415	1/01/2016 6:20 PM	22,220.00	22,232.50	MACHINE
		2/01/2016 6:00 AM	22,232.50	22,241.20	MACHINE
	TK416	1/01/2016 6:20 PM	22,611.60	22,623.10	MACHINE
		2/01/2016 5:40 AM	22,623.10	22,630.40	MACHINE

SMU v Event Hours

	Start SMU	End SMU	SMU Hours	Event Hrs
FL301	28,731.40	28,752.60	21.20	22.3
FL302	28,337.90	28,359.80	21.90	22.6
TK401	28,347.30	28,366.60	19.30	21.6
TK402	27,828.70	27,838.20	9.50	10.0
TK403	22,098.30	22,118.00	19.70	22.0
TK404	25,631.20	25,652.20	21.00	22.7
TK405	25,664.40	25,684.40	20.00	22.0
TK406	27,092.60	27,108.30	15.70	17.1
TK407	23,224.30	23,242.00	17.70	20.9
TK408	27,042.50	27,061.40	18.90	20.3
TK409	23,689.30	23,690.00	0.70	
TK410	29,450.50	29,471.10	20.60	22.3
TK411	26,102.30	26,120.60	18.30	20.5
TK412	26,380.30	26,400.00	19.70	21.4
TK413	22,256.10	22,274.50	18.40	22.6
TK414	24,259.90	24,279.80	19.90	21.4
TK415	22,220.00	22,241.20	21.20	23.0
TK416	22,611.60	22,630.40	18.80	22.9
TK417	21,385.60	21,393.10	7.50	8.4
TK418	19,228.30	19,248.40	20.10	22.9
TK419	20,028.30	20,047.40	19.10	21.4
TK420	16,979.70	16,995.30	15.60	18.3
TK421	18,556.40	18,576.30	19.90	22.5
TK422	20,260.90	20,281.70	20.80	23.3
TK424	15,700.30	15,720.80	20.50	21.9
TK425	19,355.00	19,374.80	19.80	22.4
TK426	13,127.60	13,145.20	17.60	18.8
TK427	19,967.90	19,988.60	20.70	21.5
TK428	19,590.40	19,609.00	18.60	21.7
TK430	14,425.50	14,444.60	19.10	21.9
TK431	17,789.10	17,808.60	19.50	22.4
TK432	17,545.50	17,565.70	20.20	22.5
TK433	10,811.20	10,823.70	12.50	12.9
TK434	15,508.30	15,526.70	18.40	20.6
WT702	16,149.00	16,179.00	30.00	10.4
FL303	0.00	0.00	0.00	14.7

FILTERS

Interval: Interval

Production Date

1/1/2016

Unit Fleet: In List

All...

L2 Time Component: In List

ST

APPLY FILTERS

DTR002- Unit Current Status

Live Data

Time and Maintenance

Key Metrics:

Unit Current info:

- Status
- Operator
- Location

Insights:

- See Equipment Current Statuses across the Operation Live

Filters:

Fleet Type

Standard Dashboards

Maintenance

DAH001 – Day Maintenance

DAH002 – Month Maintenance

DAH003 – Equipment Detailed

DAH004 – Equipment Detailed Health

DAH005 – Unit Asset Health

DAH006 – Fleet Asset Health

DAH007 – Unit Health Cumulative

DAH008 – Month Health

DAH009 – Last Health

DAH010 – Fuel

DAH001- Day Maintenance

Trending Graphics

Maintenance

Key Metrics:

Maintenance Time breakdown for the day by Unit

Time Summary by Fleet Type

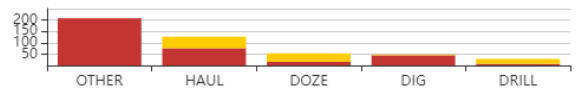
Insights:

- Trend Timecodes with Large Impacts

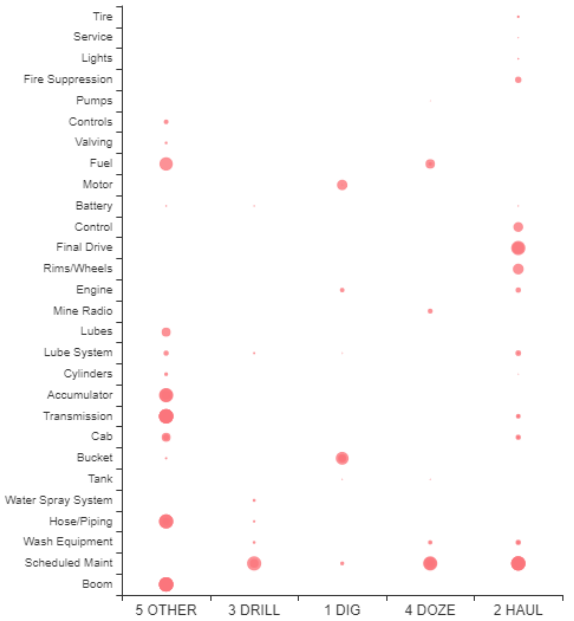
Down Time

Todays Down Equipment			Schedule...	Unschedu...	Operating ...	Operating ...	Utility Work	Value Pro...	Productio...
DIG	⊟Excavators ...	EX704			24.00				
		EX705		0.83	7.05	0.92		15.20	
		EX706		3.72	9.58			10.69	
		EX707		8.80	12.76			2.44	
		EX792		6.88	9.19			7.93	
	⊟Loaders	FL301		0.19	1.53	1.70	0.17	11.01	9.38
		FL302		0.55	0.87	1.12	0.18	11.67	9.61
		FL303	3.22	5.36	0.76	0.50	0.67	8.55	4.94
	⊟Shovels	SH201		17.92	0.83	0.09	0.41	2.15	2.60
		SH202		0.30	0.79	1.12	0.03	11.39	10.38
HAUL	⊞Contractor ...	TESTTK...			24.00				
	⊟Haul trucks	TK401		0.36	2.09	2.78	0.32	17.61	0.84
		TK402		10.04	3.99	1.87	0.08	7.30	0.72
		TK403			1.95	2.75	0.07	17.55	1.68
		TK404			1.30	1.79	0.38	18.86	1.68
		TK405			2.05	2.38	0.10	18.37	1.11
		TK406		4.40	2.51	1.42	0.73	14.38	0.56
		TK407		1.09	2.02	1.50	0.37	17.81	1.21
		TK408		2.28	1.44	2.64	0.04	16.17	1.43
		TK409	24.00						
		TK410			1.69	2.50	0.12	18.08	1.62
		TK411		2.46	1.08	3.02	0.07	15.79	1.59
		TK412			2.58	2.49	0.07	17.79	1.08
		TK413			1.45	3.80	0.11	16.61	2.03
		TK414		0.41	2.24	2.23	0.07	16.84	2.22
		TK415			1.01	2.12	0.22	19.43	1.22
		TK416			1.08	3.68	0.35	17.63	1.26
		TK417		13.77	1.83	1.98	0.07	5.73	0.62

Summary Time



Time by Timecode



DAH002- Month Maintenance

Trending Graphics

Maintenance

Key Metrics:

MTBF and MTTR Comparison by Fleet Type

Down Time Codes Heat Maps

Insights:

- Trend Timecodes with Large Impacts on Maintenance

Requires MTBF and MTTR metrics to be defined

DAH003- Equipment Detailed

Trending Graphics

Maintenance

Key Metrics:

Deep Dive on individual Units.

See Time breakdown, Production by Origin, and see daily timeline

Insights:

- Granular detail on equipment activity throughout shift

DAH004- Equipment Detailed Health

Trending Graphics

Maintenance

Key Metrics:

Deep Dive on individual Units.

Trend Fuel Temps, and Engine Conditions

Insights:

- Granular detail on equipment activity throughout shift

DAH005- Unit Asset Health

Trending Graphics

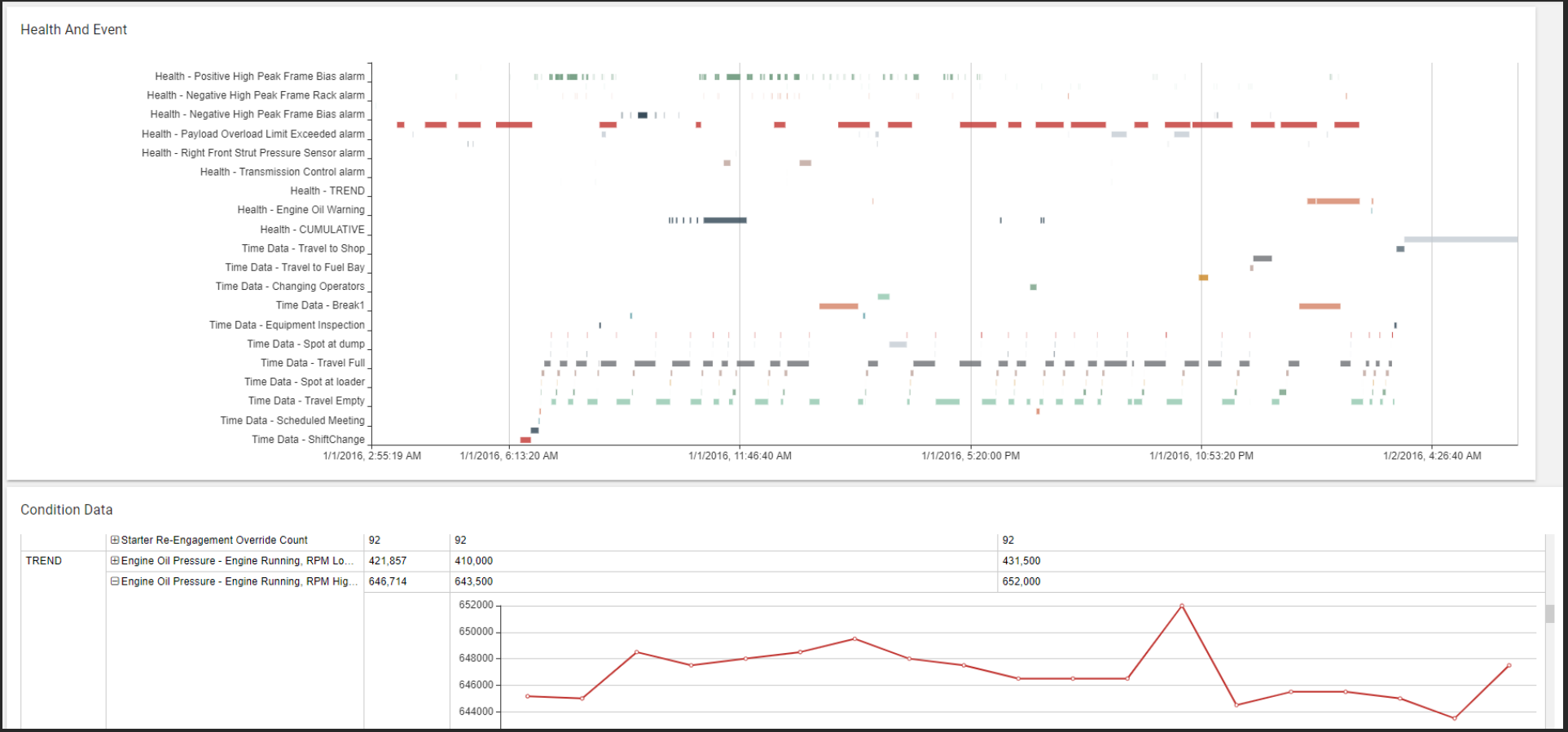
Maintenance

Key Metrics:

Unit Health Event Timeline with detailed event breakdown

Insights:

- Trend Health Conditions over Time



DAH006- Fleet Asset Health

Trending Graphics

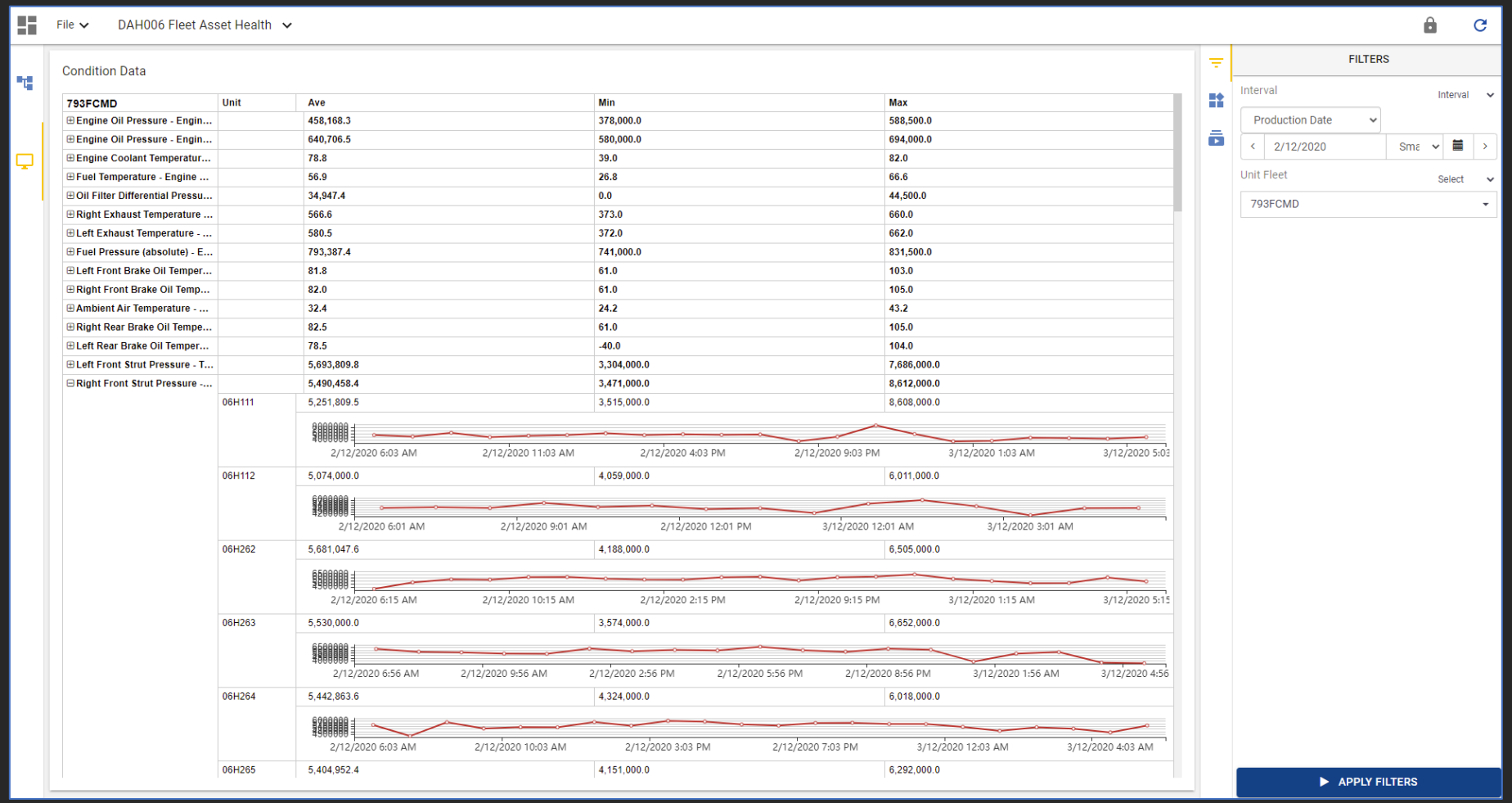
Maintenance

Key Metrics:

Fleet Health Event Timeline with detailed event breakdown

Insights:

- Trend Health Conditions over Time



793FCMD	Unit	Ave	Min	Max
⊞Engine Oil Pressure - Engin...		458,168.3	378,000.0	588,500.0
⊞Engine Oil Pressure - Engin...		640,706.5	580,000.0	694,000.0
⊞Engine Coolant Temperatur...		78.8	39.0	82.0
⊞Fuel Temperature - Engine ...		56.9	26.8	66.6
⊞Oil Filter Differential Pressu...		34,947.4	0.0	44,500.0
⊞Right Exhaust Temperature ...		566.6	373.0	660.0
⊞Left Exhaust Temperature - ...		580.5	372.0	662.0
⊞Fuel Pressure (absolute) - E...		793,387.4	741,000.0	831,500.0
⊞Left Front Brake Oil Temper...		81.8	61.0	103.0
⊞Right Front Brake Oil Temp...		82.0	61.0	105.0
⊞Ambient Air Temperature - ...		32.4	24.2	43.2
⊞Right Rear Brake Oil Tempe...		82.5	61.0	105.0
⊞Left Rear Brake Oil Temper...		78.5	-40.0	104.0
⊞Left Front Strut Pressure - T...		5,693,809.8	3,304,000.0	7,686,000.0
⊟Right Front Strut Pressure -...		5,490,458.4	3,471,000.0	8,612,000.0
	06H111	5,251,809.5	3,515,000.0	8,608,000.0
	06H112	5,074,000.0	4,059,000.0	6,011,000.0
	06H262	5,681,047.6	4,188,000.0	6,505,000.0
	06H263	5,530,000.0	3,574,000.0	6,652,000.0
	06H264	5,442,863.6	4,324,000.0	6,018,000.0
	06H265	5,404,952.4	4,151,000.0	6,292,000.0

DAH007- Unit Asset Cumulative

Trending Graphics

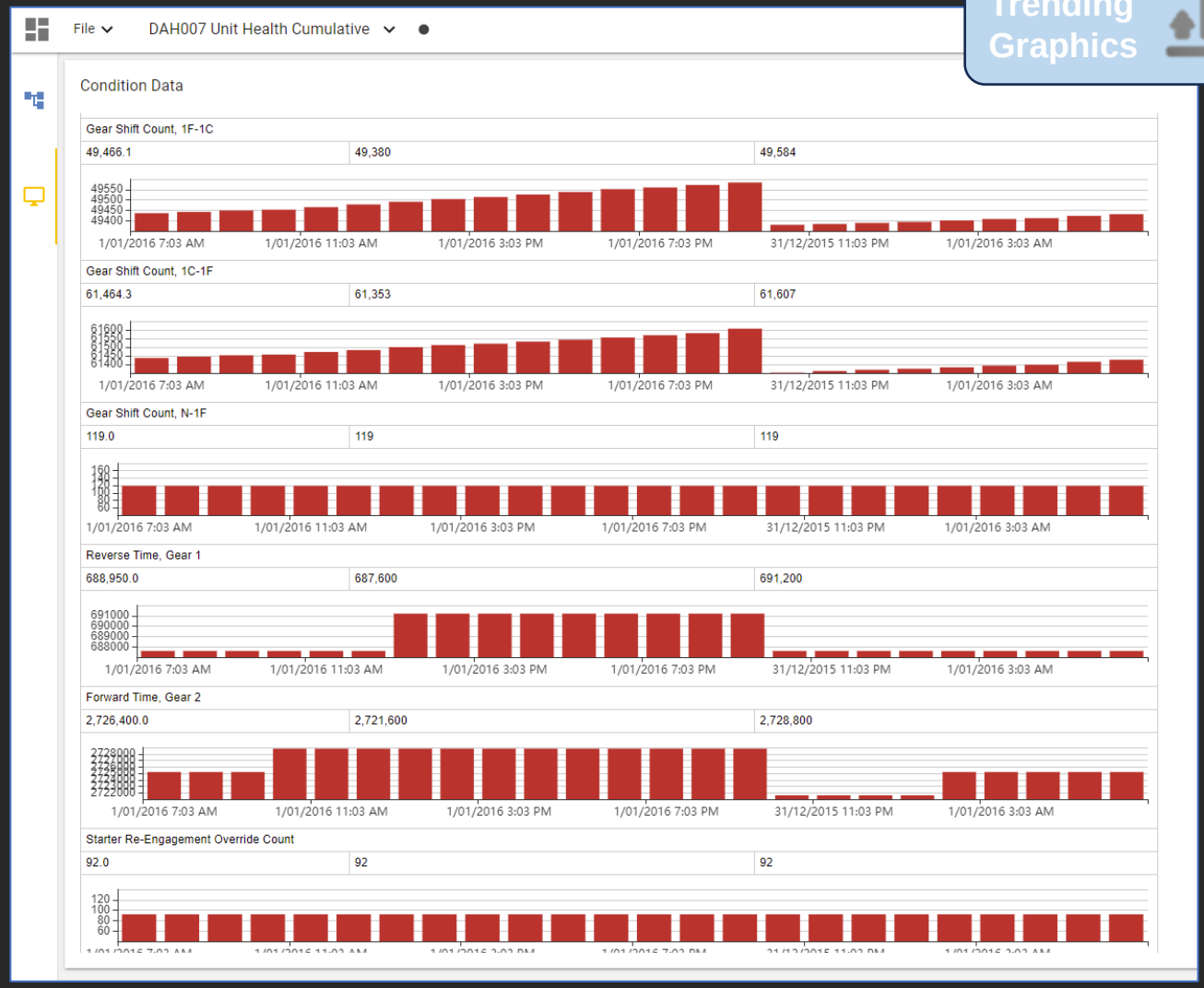
Maintenance

Key Metrics:

Unit level: Trend Health Conditions throughout shift

Insights:

- Watch for changes in health conditions



DAH008- Month Health

Maintenance

Key Metrics:

For Selected Unit-

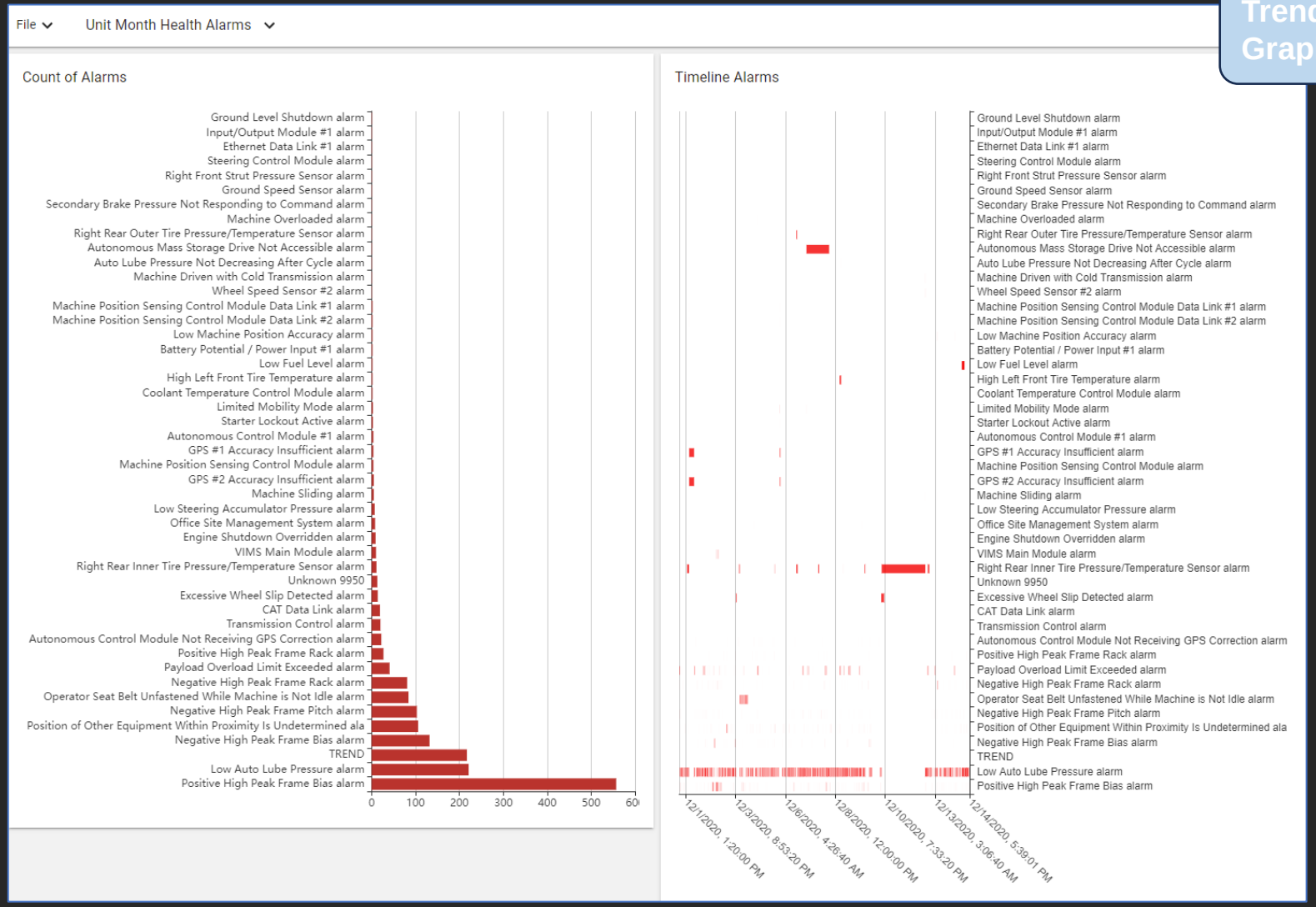
Alarm Counts for the Month

Timeline of Alarms

Insights:

- Watch for trends and changes in health conditions

Trending Graphics



DAH008- Last Health

Maintenance

Key Metrics:
Most Recent Health Event by Unit

Insights:

- High Level view of fleet health overall

File Last Health Data

Last Health readings by Type

			CUMULATIVE	J1939	TPI_DIAGN	TPI_EVENT	TREND	UNKNOWN	VIMS3GD	VIMS3GE
Haul trucks	Caterpillar 79...	06H111	Mon, Dec 14, 2020	Sat, Dec 12, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H112	Mon, Dec 14, 2020	Sun, Dec 6, 2020			Thu, Dec 10, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H262	Mon, Dec 14, 2020	Fri, Dec 4, 2020			Mon, Dec 14, 2020	Fri, Dec 11, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H263	Mon, Dec 7, 2020	Fri, Dec 4, 2020			Mon, Dec 7, 2020	Sun, Dec 6, 2020	Mon, Dec 7, 2020	Mon, Dec 7, 2020
		06H264	Mon, Dec 14, 2020	Fri, Dec 4, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H265	Thu, Dec 10, 2020	Thu, Dec 10, 2020			Thu, Dec 10, 2020	Wed, Dec 9, 2020	Thu, Dec 10, 2020	Thu, Dec 10, 2020
		06H266	Mon, Dec 14, 2020	Thu, Dec 10, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Sun, Dec 13, 2020	Mon, Dec 14, 2020
		06H273	Mon, Dec 14, 2020	Sat, Nov 21, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H310	Mon, Dec 14, 2020	Tue, Dec 1, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H311	Mon, Dec 14, 2020	Mon, Dec 14, 2020			Mon, Dec 14, 2020	Thu, Dec 10, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H312	Mon, Dec 14, 2020	Fri, Dec 11, 2020			Fri, Dec 11, 2020	Thu, Dec 10, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H314	Mon, Dec 14, 2020	Wed, Dec 9, 2020			Mon, Dec 14, 2020	Thu, Dec 10, 2020	Thu, Dec 10, 2020	Mon, Dec 14, 2020
		06H315	Mon, Dec 14, 2020	Mon, Dec 14, 2020			Thu, Dec 10, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H316	Mon, Dec 14, 2020	Thu, Dec 10, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H317	Mon, Dec 14, 2020	Tue, Dec 1, 2020			Sun, Dec 13, 2020	Sat, Dec 12, 2020	Sat, Dec 12, 2020	Mon, Dec 14, 2020
		06H318	Mon, Dec 14, 2020	Sat, Dec 5, 2020			Mon, Dec 14, 2020	Sun, Dec 13, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H319	Mon, Dec 14, 2020	Thu, Nov 26, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H321	Mon, Dec 14, 2020	Tue, Dec 1, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H323	Mon, Dec 14, 2020	Sun, Dec 13, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H324	Mon, Dec 14, 2020	Sat, Nov 14, 2020			Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H542	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H543	Mon, Dec 14, 2020				Sun, Dec 13, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H544	Mon, Dec 14, 2020				Fri, Dec 11, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H545	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H546	Mon, Dec 14, 2020				Sat, Dec 12, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H547	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H548	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H549	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H550	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H551	Mon, Dec 14, 2020				Sat, Dec 12, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H618	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H619	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H620	Fri, Dec 11, 2020				Fri, Dec 11, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H621	Mon, Dec 14, 2020				Mon, Dec 14, 2020		Mon, Dec 14, 2020	Mon, Dec 14, 2020
		06H622	Sat, Dec 12, 2020				Sat, Dec 12, 2020		Sat, Dec 12, 2020	Sat, Dec 12, 2020

DAH010- Fuel

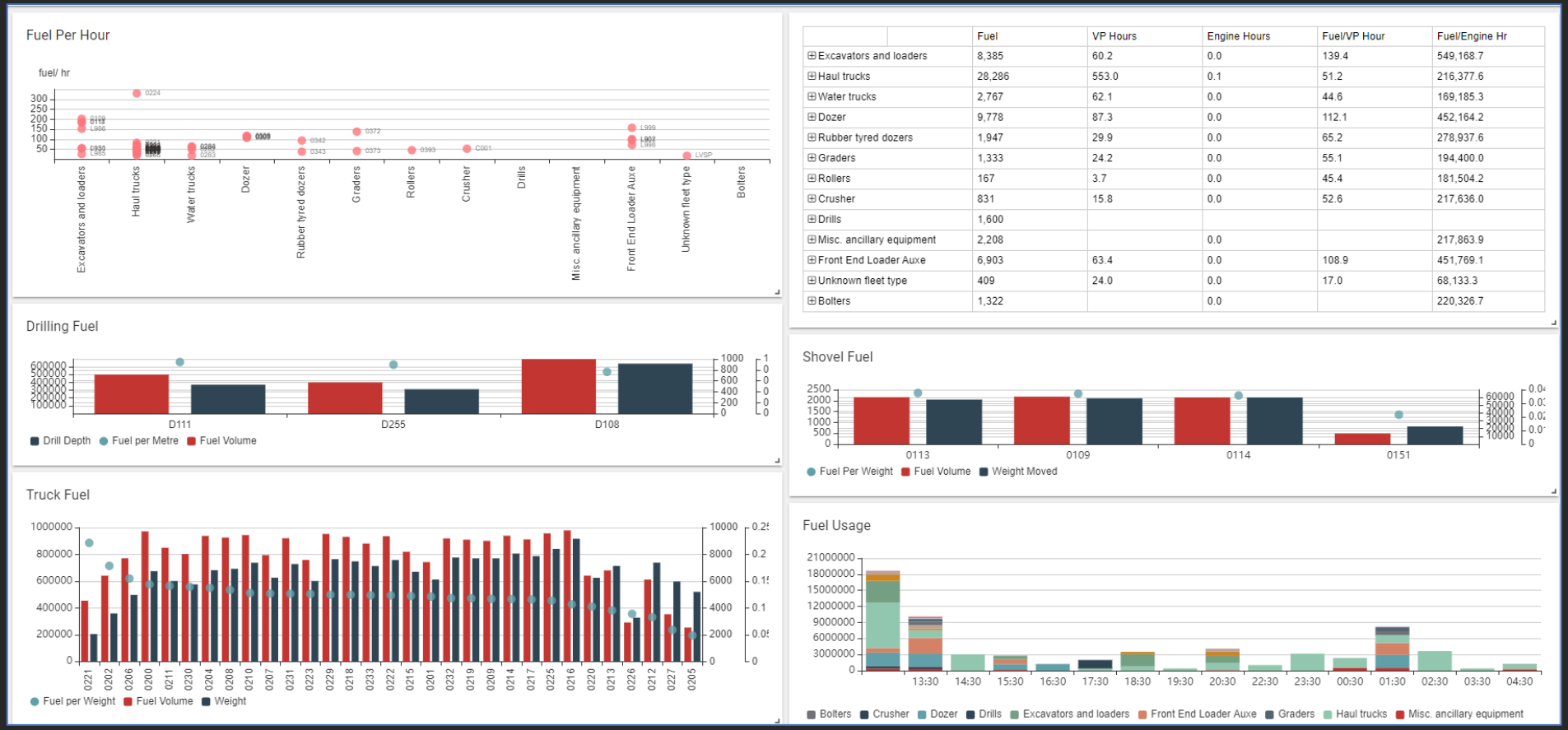
Maintenance

Trending Graphics

Key Metrics:
Fuel Trending with burn rates, Equipment hours, and equipment production

Insights:

- See Fuel trends relative to production



	Fuel	VP Hours	Engine Hours	Fuel/VP Hour	Fuel/Engine Hr
⊞Excavators and loaders	8,385	60.2	0.0	139.4	549,168.7
⊞Haul trucks	28,286	553.0	0.1	51.2	216,377.6
⊞Water trucks	2,767	62.1	0.0	44.6	169,185.3
⊞Dozer	9,778	87.3	0.0	112.1	452,164.2
⊞Rubber tyred dozers	1,947	29.9	0.0	65.2	278,937.6
⊞Graders	1,333	24.2	0.0	55.1	194,400.0
⊞Rollers	167	3.7	0.0	45.4	181,504.2
⊞Crusher	831	15.8	0.0	52.6	217,636.0
⊞Drills	1,600				
⊞Misc. ancillary equipment	2,208		0.0		217,863.9
⊞Front End Loader Auxe	6,903	63.4	0.0	108.9	451,769.1
⊞Unknown fleet type	409	24.0	0.0	17.0	68,133.3
⊞Bolters	1,322		0.0		220,326.7

Standard Dashboards

Drilling

DDR001 – Drilling

DDR002 – Drilling Profile

DDR003 – Hole Overview

DDR001- Drilling

Trending Graphics

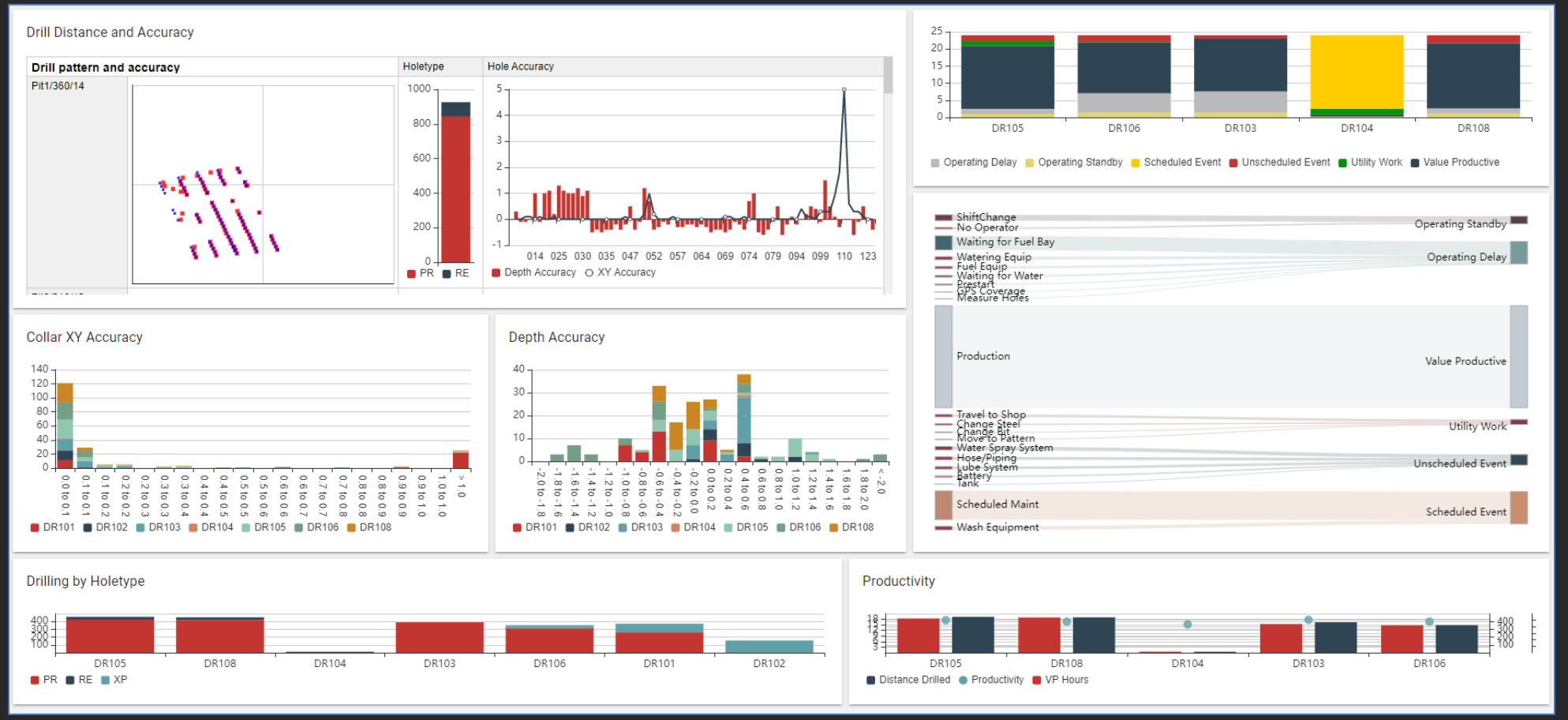
Drilling Productivity

Key Metrics:
Drill pattern accuracy, accuracy trending, spatial mapping, drilling time analysis, performance by Drill

Insights:

- High Level Drill Fleet Summary

Generic version expected 2025 Q1



DDR002- Drilling Profile

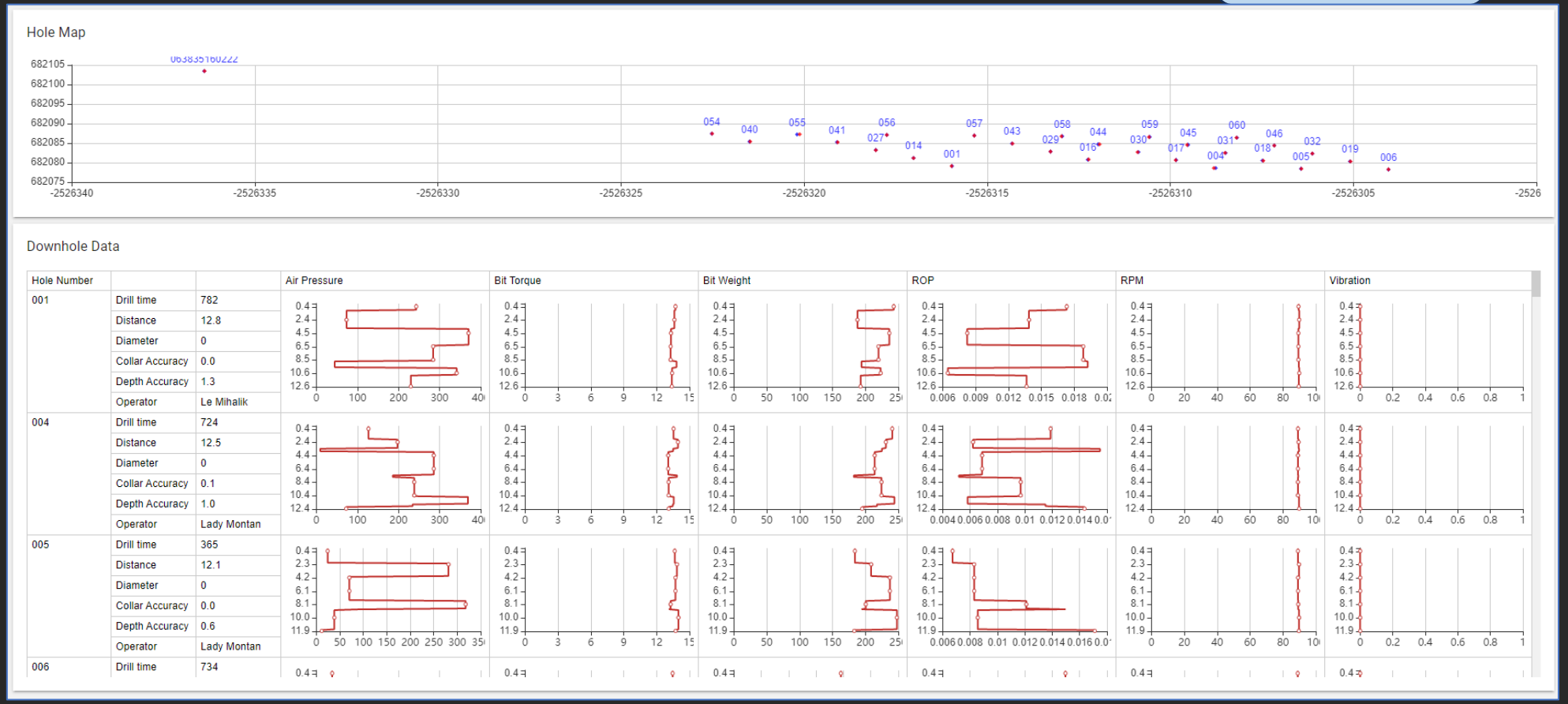
Trending Graphics

Drilling Productivity

Key Metrics:
Hole Map, Drill stats by hole, metrics by depth

Insights:

- Track Drilling activity by pattern



DDR003- Hole Overview

Trending Graphics

Drilling Productivity

Key Metrics:

Pattern map with Hole Selection, detail hole data, Trending hole stats throughout drill time

Insights:

- Analyse Hole activity in detail