

SYSTEM REPORTS

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Oil Analysis Planning Data - Last 6



Wildling Brothers
Thursday, August 24, 2006

01917 Hydraulics: Caterpillar 988B Loader Hydraulics

Condition: Critical

Date From: 8/24/2006 Persons Responsible: Brad Turner Location: Wheatland Plant Component Profile: Caterpillar 988B
Hydraulic System Serial Number: Lubricant: ConocoPhillips Super Hydraulic 68 Capacity: 143 Asset ID: 01917
Component age at last sample: Not applicable Component Budget Life:

Condition Reviews

Sample Date	Sample Meter	Review Date	Reviewed By	Rating Assigned
8/19/2006	81025	8/24/2006	jwalkup	Critical

Condition Review Notes

Elemental analysis is acceptable at this time. However this is the second consecutive sample result that has indicated above the limit particle count current ISO code is 23/19.

Recommendations

At next service inspect condition of filters, screens and breathers service and change accordingly if needed. If portable filtration is available filter the oil or consider using clean out filters to reduce total particle count. Continue to sample at regular intervals and monitor the results.

Recommended Maintenance Actions

Conduct Filter/Screen Check Change if Needed; Priority: 4 - Action At Next Service
Use Filter Cart; Priority: 4 - Action At Next Service

Lab Comments

Date	Meter	Detail
8/19/2006	81025	PARTICLE COUNT RESULTS suggest the use of PORTABLE FILTRATION to improve SYSTEM CLEANLINESS; and/or; Filter change suggested if not done at sampling time (as applicable); Particle Count is at a SEVERE LEVEL;

Oil Analysis Data

Samples			Active Trakka Alert Rules
Sample Date	21JUL06	19AUG06	
Lab Rating	Critical	Critical	
Trakka Rating	Critical	Critical	
Meter Reading	80551	81025	
Lube Age	250	1000	
Lube Added			
Lube Drained	No	No	
Additives			Warning Critical
Boron (ppm)	0	0	
Calcium (ppm)	161	171	
Lithium (ppm)	0	0	
Magnesium (ppm)	3	4	
Molybdenum (ppm)	0	0	
Phosphorous (ppm)	321	340	
Vanadium (ppm)	0	0	

Oil Analysis Planning Data - Last 6



Wildling Brothers
Thursday, August 24, 2006

Zinc (ppm)	398	403		
Contaminants			Warning	Critical
Nitration (Abs/cm)	5	6		
Oxidation (Abs/cm)	2	3		
Potassium (ppm)	0	0		
Silicon (ppm)	4	5		
Rate Of Change	0.016	0.005		
Sodium (ppm)	0	0		
Rate Of Change	0	0		
Water (%)	<.1	<.1		
Oil Properties			Warning	Critical
Viscosity @ 40°C (cSt)	64.0	62.4		
Particle Counts			Warning	Critical
ISO 4406 Code	24 22 19 *	24 23 19 *		
ISO 4406:1999 > 04µ	24	24		
ISO 4406:1999 > 06µ	22	23	>18	>20
ISO 4406:1999 > 14µ	19	19	>15	>17
Particle Count > 4µ (/ml)	114749 *	151073 *		
Particle Count > 6µ (/ml)	22361 *	52743 *		
Particle Count > 10µ (/ml)	7517 *	12789 *		
Particle Count > 14µ (/ml)	3479 *	4528 *		
Particle Count > 21µ (/ml)	1434 *	1660 *		
Particle Count > 38µ (/ml)	291 *	349 *		
Particle Count > 70µ (/ml)	59 *	70 *		
Particle Count > 100µ (/ml)	18 *	27 *		
Wear Metals			Warning	Critical
Aluminum (ppm)	2	2		>=2
Rate Of Change	0.008	0.002		>=0.0021
Antimony (ppm)	0	0		
Barium (ppm)	0	1		
Rate Of Change	0	0.001		
Cadmium (ppm)	0	0		
Chromium (ppm)	1	1		>=1
Rate Of Change	0.004	0.001		>=0.0001
Copper (ppm)	0	1		>=3
Rate Of Change	0	0.001		>=0.005
Iron (ppm)	5	6		>=3
Rate Of Change	0.02	0.006		>=0.01
Lead (ppm)	0	0		>=1
Rate Of Change	0	0		>=0.01
Manganese (ppm)	0	0		
Nickel (ppm)	0	0		>=1
Rate Of Change	0	0		>=0.01

Oil Analysis Planning Data - Last 6

Widling Brothers
Thursday, August 24, 2006



Silver (ppm)	0	0
Rate Of Change	0	0
Tin (ppm)	0	0
Rate Of Change	0	0
Titanium (ppm)	0	0
Rate Of Change	0	0

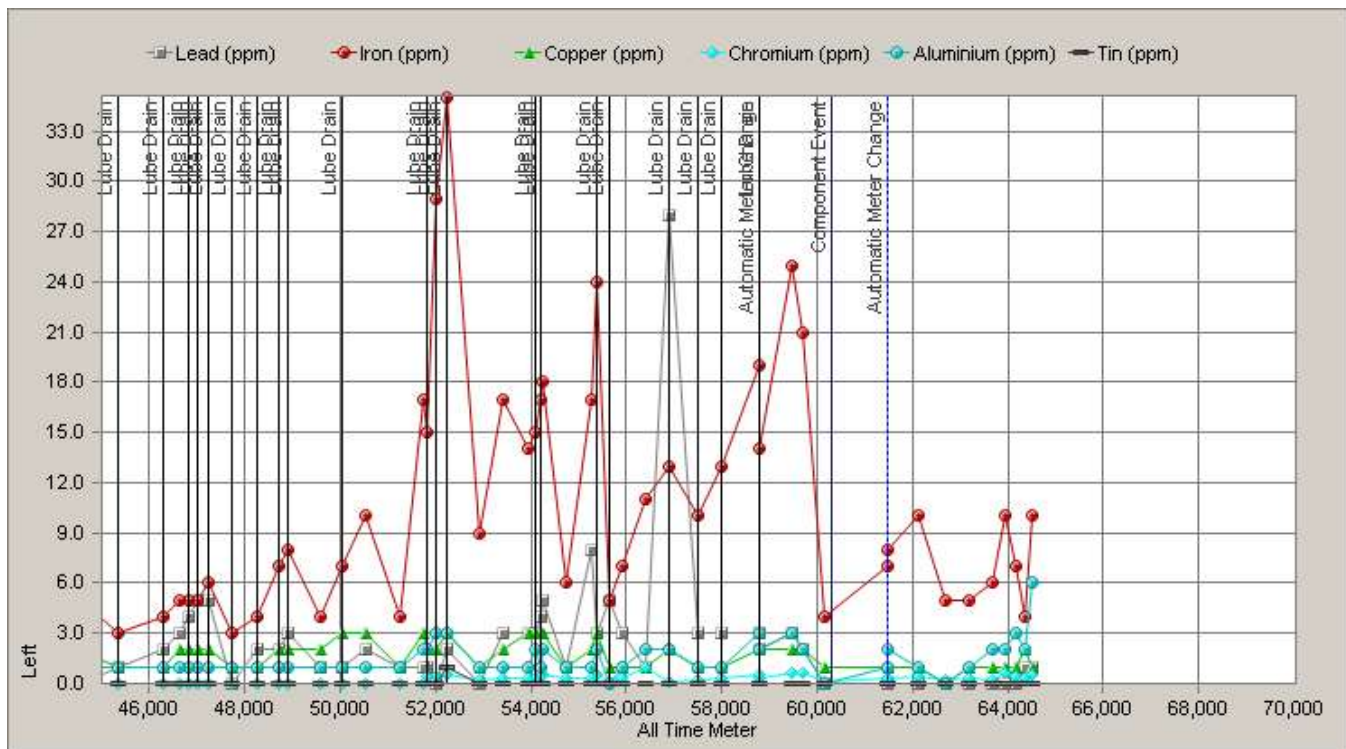
>=1.5
>=0.007

Trend Report

Personal Test Site - Paul Higgins
Friday, August 25, 2006



Component Gen 11 -Engine : Caterpillar G3516 (View: Wear Metals)



Oil Analysis Data - Last 6



Wildling Brothers
Friday, August 25, 2006

301-029 Engine Front

Serial Number: 182-0256

Component Profile: Hitachi EX1800 Engine

Date From: Friday, August 25, 2006

Lubricant: ConocoPhillips Power D 15W40

Person Responsible:

Capacity: 32 US Gal

Samples

Sample Date	5/9/2006	5/21/2006	6/5/2006	6/18/2006	7/1/2006	7/20/2006
Lab Rating	Normal	Normal	Normal	Normal	Normal	Normal
Trakka Rating	Unrated	Unrated	Unrated	Unrated	Unrated	Unrated
In the Inbox	No	No	No	No	No	No
Meter Reading	79004	79231	79475	79715	79988	80280
Lube Age	263	227	244	240	273	292
Lube Added	0	0	0	0	0	0
Lube Drained	Yes	Yes	Yes	Yes	Yes	Yes

Additives

Calcium (ppm)	4039	4232	3771	3981	3482	3392
Magnesium (ppm)	13	12	11	10	10	9
Molybdenum (ppm)	3	2	3	2	0	2
Phosphorous (ppm)	1134	1212	1083	1146	993	955
Zinc (ppm)	1351	1412	1273	1333	1167	1231

Contaminants

Antifreeze (alpha)	N	N	N		N	N
Fuel (%)						
Fuel (alpha)	N	N	N	N	N	N
Nitration (%)	10	9	8	8	9	7
Oxidation (%)	18	16	16	15	17	14
Potassium (ppm)	1	8	10	8	1	1
Silicon (ppm)	3	2	4	2	2	3
Sodium (ppm)	2	2	2	1	0	1
Soot (%)	3	2	2	5	10	5
Sulfation (%)	25	24	23	22	24	20
Water (alpha)	N	N	N	N	N	N

Oil Properties

Viscosity @ 100°C (cSt)	14.6	14.7	14.6	14.7	14.7	14.5
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Particle Counts

ISO > 14	
ISO > 6	
ISO Code Rating	
Particle Count > 4µ (/ml)	
Particle Count > 5µ (/ml)	
Particle Count > 6µ (/ml)	
Particle Count > 10µ (/ml)	
Particle Count > 14µ (/ml)	
Particle Count > 15µ (/ml)	
Particle Count > 18µ (/ml)	
Particle Count > 21µ (/ml)	
Particle Count > 25µ (/ml)	
Particle Count > 38µ (/ml)	
Particle Count > 50µ (/ml)	
Particle Count > 100µ (/ml)	

Wear Metals

Oil Analysis Data - Last 6

Wildlling Hills
Friday, August 25, 2006



Aluminum (ppm)	0	0	0	0	0	0
Chromium (ppm)	1	0	0	0	0	0
Copper (ppm)	3	2	3	1	1	1
Iron (ppm)	11	10	12	8	7	7
Lead (ppm)	0	0	1	0	2	1
Nickel (ppm)	0	0	0	0	0	0
Tin (ppm)	3	0	0	0	0	2

Paul Higgins

From: Jeff Walkup [jwalkup@dingo.com]
Sent: Friday, August 25, 2006 3:22 PM
To: phiggins@dingo.com
Subject: FW: Rawhide Mine; TOAL Oil Analysis Results received Aug 23, 2006

From: Dingo Trakka Lab Results [mailto:labresults@dingo.com]
Sent: Wednesday, August 23, 2006 4:10 PM
To: mbeacom@dingo.com; gsander@dingo.com; cdonnelly@dingo.com; mkash@dingo.com; rmiller@dingo.com; jwalkup@dingo.com; fred@peabodyenergy.com
Subject: Rawbeans Mine; TOAL Oil Analysis Results received Aug 23, 2006

Dingo Trakka Oil Analysis Results Notification Aug 23, 2006

Rawbeans Mine; You have received results from TOAL (Filename: OILDATA.DBF).






Results Summary

Total Sample Results: 32
Duplicate Results: 0
Unconnected Results: 0



Trakka Ratings: 0 5 6 21
Lab Ratings: 18 9 5

Critical Alerts Summary

-  **603 Final Drive Left**
"MAJOR FINE IRON,WAX,GRIT,COAL "
 -  **603 Final Drive Right**
"MAJOR FINE IRON ON FILTER PATCH "
 -  **607 Final Drive Left**
"NOTE COPPER MOSTLY FINE IRON,COAL,GRIT "
 -  **607 Final Drive Right**
"NOTE COPPER MOSTLY FINE IRON,COAL,GRIT "
 -  **608 Final Drive Left**
"NOTE COPPER PARTICLES ARE CARBON, FIBER, GRIT, & METALS. "
-

Warning Alerts Summary

▼ 602 Hydraulic

"SUSPECT MODERATE BUSHING WEAR, RESAMPLE NEXT OIL CHANGE. CHANGE OIL OR REFILTER FLUID. MOSTLY GRIT & COAL / CHECK BREATHERS "

▼ 602 Wheel Bearing Front Left

"DIRT (SILICON) CONTAMINATION CAUSING ABRASIVE WEAR. PARTICLES ARE CARBON, FIBER, GRIT, & METALS. "

▼ 602 Wheel Bearing Front Right

"DIRT (SILICON) CONTAMINATION CAUSING ABRASIVE WEAR. PARTICLES ARE CARBON, FIBER, GRIT, & METALS. "

▼ 603 Differential Rear

"MAJOR FINE IRON ON FILTER PATCH "

▼ 603 Wheel Bearing Front Left

"DIRT (SILICON) CONTAMINATION CAUSING ABRASIVE WEAR. PARTICLES ARE CARBON, FIBER, GRIT, & METALS. "

▼ 603 Wheel Bearing Front Right

"DIRT (SILICON) CONTAMINATION CAUSING ABRASIVE WEAR. PARTICLES ARE CARBON, FIBER, GRIT, & METALS. "

▼ 607 Wheel Bearing Front Left

"NOTE SILICON PARTICLES ARE CARBON, FIBER, GRIT, & METALS. "

▼ 608 Final Drive Right

"NOTE COPPER PARTICLES ARE CARBON, FIBER, GRIT, & METALS. "

▼ 608 Wheel Bearing Front Left

"MAJOR FINE IRON,COAL,GRIT "

Legend: - Unrated, ✓ Normal, ▼ Warning, ✘ Critical

To access these results click the Dingo - Trakka logo below:



<https://trakka.dingo.com/Trakka.exe>

Customer Support: support@dingo.com

USA, Canada and Caribbean Call: 1-888-346-4630 (1-888-DINGO 30)

Australia Call: +61 7 3115 9000

Paul Higgins

From: Jeff Walkup [jwalkup@dingo.com]
Sent: Friday, August 25, 2006 1:46 PM
To: phiggins@dingo.com
Subject: FW: 01917 Hydraulics; condition review on 2006-08-24
Attachments: 01917_hydraulics_rptoapd_2006-08-24.pdf

From: Jeff Walkup [mailto:jwalkup@dingo.com]
Sent: Friday, August 25, 2006 1:45 PM
To: 'psinclair@dingo.com'
Subject: FW: 01917 Hydraulics; condition review on 2006-08-24

From: ConditionIntelligence@dingo.com [mailto:ConditionIntelligence@dingo.com] **On Behalf Of** jwalkup@dingo.com
Sent: Thursday, August 24, 2006 11:35 AM
To: bradling@royalenergy.com; emartin@dingo.com; jdevot@royalenergy.com; kpsul@royalenergy.com
Cc: jwalkup@dingo.com
Subject: 01917 Hydraulics; condition review on 2006-08-24

This is a generated review email sent from Trakka

Condition Review on 2006-08-24**01917 Hydraulics****Caterpillar 988B Hydraulic System**

Sample Date: 2006-08-19 Meter Reading: 81025 Lube Age: 1000 Component Age: Not applicable
 Budget Component Life:

Condition Review Notes:

Elemental analysis is acceptable at this time. However this is the second consecutive sample result that has indicated above the limit particle count current ISO code is 23/19.

Recommendations:

At next service inspect condition of filters, screens and breathers service and change accordingly if needed. If portable filtration is available filter the oil or consider using clean out filters to reduce total particle count. Continue to sample at regular intervals and monitor the results.

Recommended Maintenance Actions:

Maintenance Action	Work Priority	Work Reference Number
Conduct Filter/Screen Check Change if Needed	4 - Action At Next Service	

Asset & Component List

Wildling Company
Friday, August 25, 2006



Asset ID Comp. Code	Description Description	Asset Profile Component Profile	Asset Type Component Type
301-029	Hitachi EX1800 Hydraulic Shovel	Hitachi EX1800 Hydraulic Shovel	Hydraulic Shovel
Engine Front	Hitachi EX1800 Shovel Eng Front	Hitachi EX1800 Engine	Diesel Engine
Engine Rear	Hitachi EX1800 Shovel Engine Rear	Hitachi EX1800 Engine	Diesel Engine
Radiator Front	EX1800 Radiator Front	Hitachi EX1800 Radiator	Engine
Radiator Rear	EX1800 Radiator Rear	Euclid R190 Engine	Diesel Engine
Final Dr Left	Hitachi EX1800 Shovel Final Drive Left	Hitachi EX1800 Final Drive	Final Drive
Final Dr Right	Hitachi EX1800 Shovel Final Drive Right	Hitachi EX1800 Final Drive	Final Drive
Hydraulics	Hitachi EX1800 Shovel Hydraulics	Hitachi EX1800 Hydraulic	Hydraulic System
Pump Dr Front	Hitachi EX1800 Shovel Pump Drive Front	Hitachi EX1800 Pump Drive	Pump Drive
Pump Dr Rear	Hitachi EX1800 Shovel Pump Drive Rear	Hitachi EX1800 Pump Drive	Pump Drive
Swing Dr Front	Hitachi EX1800 Shovel Swing Front	Hitachi EX1800 Swing Gearbox	Swing Gearbox
Swing Dr Rear	Hitachi EX1800 Shovel Swing Rear	Hitachi EX1800 Swing Gearbox	Swing Gearbox
301-043	Caterpillar 988F Wheel Loader	Caterpillar 988F Wheel Loader	Wheel Loader
Diff Front	Caterpillar 988F Loader Differential Front	Caterpillar 988F Differential	Differential
Diff Rear	Caterpillar 988F Loader Differential Rear	Caterpillar 988F Differential	Differential
Engine	Caterpillar 988F Loader Engine	Caterpillar 988F Engine	Diesel Engine
Plan Front Left	Caterpillar 988F Loader Planetary Left Front	Caterpillar 988F Planetary	Planetary
Plan Rear Left	Caterpillar 988F Loader Planetary Left Rear	Caterpillar 988F Planetary	Planetary
Plan Front Right	Caterpillar 988F Loader Planetary Right Front	Caterpillar 988F Planetary	Planetary
Plan Rear Right	Caterpillar 988F Loader Planetary Right Rear	Caterpillar 988F Planetary	Planetary
Hydraulics	Caterpillar 988F Loader Hydraulics	Caterpillar 988F Hydraulic	Hydraulic System
Transmission	Caterpillar 988F Loader Transmission	Caterpillar 988F Transmission	Transmission
301-054	Hitachi EX3500 Hydraulic Shovel	Hitachi EX3500 Hydraulic Shovel	Hydraulic Shovel
Engine Left	Hitachi EX3500 Shovel Engine Left	Hitachi EX3500 Engine	Diesel Engine
Engine Right	Hitachi EX3500 Shovel Engine Right	Hitachi EX3500 Engine	Diesel Engine
Final Dr Left	Hitachi EX3500 Shovel Final Drive Left	Hitachi EX3500 Final Drive	Final Drive
Final Dr Right	Hitachi EX3500 Shovel Final Drive Right	Hitachi EX3500 Final Drive	Final Drive
Hydraulics	Hitachi EX3500 Shovel Hydraulics	Hitachi EX3500 Hydraulic	Hydraulic System

Asset List

Wildling Company
Friday, August 25, 2006



Asset ID	Description	Asset Profile	Asset Type
301-029	Hitachi EX1800 Hydraulic Shovel	Hitachi EX1800 Hydraulic Shovel	Hydraulic Shovel
301-043	Caterpillar 988F Wheel Loader	Caterpillar 988F Wheel Loader	Wheel Loader
301-054	Hitachi EX3500 Hydraulic Shovel	Hitachi EX3500 Hydraulic Shovel	Hydraulic Shovel
301-055	Hitachi EX700 Hydraulic Excavator	Hitachi EX700 Hydraulic Excavator	Hydraulic Excavator
301-079	Hitachi EX3500 Hydraulic Shovel	Hitachi EX3500 Hydraulic Shovel	Hydraulic Shovel
301-094	Hitachi EX1100 Hydraulic Excavator	Hitachi EX1100 Hydraulic Excavator	Hydraulic Excavator
301-095	Caterpillar 5130 Hydraulic Shovel	Caterpillar 5130 Hydraulic Shovel	Hydraulic Shovel
301-099	Caterpillar 988F Wheel Loader	Caterpillar 988F Wheel Loader	Wheel Loader
301-100	Hitachi EX3500 Hydraulic Shovel	Hitachi EX3500 Hydraulic Shovel	Hydraulic Shovel
301-108	Komatsu WA600-1 Wheel Loader	Komatsu WA600-1 Wheel Loader	Wheel Loader
301-110	Caterpillar 988B Wheel Loader	Caterpillar 988B Wheel Loader	Wheel Loader
302-006	Caterpillar 777B End Dump Truck	Caterpillar 777B Off Highway Truck	Off Highway Truck
302-007	Caterpillar 777B End Dump Truck	Caterpillar 777B Off Highway Truck	Off Highway Truck
302-013	Caterpillar 777C End Dump Truck	Caterpillar 777C Off Highway Truck	Off Highway Truck
302-014	Caterpillar 777C End Dump Truck	Caterpillar 777C Off Highway Truck	Off Highway Truck
302-031	Caterpillar 789B End Dump Truck	Caterpillar 789B Off Highway Truck	Off Highway Truck
302-032	Caterpillar 789B End Dump Truck	Caterpillar 789B Off Highway Truck	Off Highway Truck
302-034	Caterpillar 773B Water Truck	Caterpillar 773B Off Highway Truck	Off Highway Truck
302-066	Euclid R90 End Dump Truck	Euclid R90 Off Highway Truck	Off Highway Truck
302-067	Euclid R90 End Dump Truck	Euclid R90 Off Highway Truck	Off Highway Truck
302-068	Euclid R90 End Dump Truck	Euclid R90 Off Highway Truck	Off Highway Truck
302-069	Euclid R190 End Dump Truck	Euclid R190 Off Highway Truck	Off Highway Truck
302-070	Euclid R190 End Dump Truck	Euclid R190 Off Highway Truck	Off Highway Truck
302-077	Euclid R90 End Dump Truck	Euclid R90 Off Highway Truck	Off Highway Truck
302-078	Euclid R190 End Dump Truck	Euclid R190 Off Highway Truck	Off Highway Truck
302-081	Euclid R90 End Dump Truck	Euclid R90 Off Highway Truck	Off Highway Truck
302-098	Caterpillar 789B End Dump Truck	Caterpillar 789B Off Highway Truck	Off Highway Truck
302-108	Euclid R190 End Dump Truck	Euclid R190 Off Highway Truck	Off Highway Truck
302-117	Caterpillar 777D End Dump Truck	Caterpillar 777D Off Highway Truck	Off Highway Truck
302-118	Caterpillar 777D End Dump Truck	Caterpillar 777D Off Highway Truck	Off Highway Truck
302-135	Caterpillar 789B End Dump Truck	Caterpillar 789B Off Highway Truck	Off Highway Truck
302-136	Caterpillar 789B End Dump Truck	Caterpillar 789B Off Highway Truck	Off Highway Truck
303-004	Driltech D240K Rotary Drill	Driltech D240K Rotary Drill	Rotary Drill
303-016	Driltech D50K Rotary Drill	Driltech D50K Rotary Drill	Rotary Drill
303-023	Ingersoll Rand DM45/LP Rotary Drill	Ingersoll Rand DM45/LP Rotary Drill	Rotary Drill
303-031	Drilltech D50KS Rotary Drill	Drilltech D50KS Rotary Drill	Rotary Drill
306-001	Caterpillar D6R Fabick Experimental Dozer	Caterpillar D6R Track Dozer	Track Dozer
306-003	Caterpillar D6R Track Dozer	Caterpillar D6R Track Dozer	Track Dozer
306-1-2	Caterpillar D6R Track Dozer	Caterpillar D6R Track Dozer	Track Dozer

Asset Location and Responsibility

Wildling Company
Friday, August 25, 2006



Asset ID	Description	Location	Person/s Responsible
❌ 301-029	Hitachi EX1800 Hydraulic Shovel	Cottage Grove	
✅ 301-043	Caterpillar 988F Wheel Loader	Cottage Grove	
❌ 301-054	Hitachi EX3500 Hydraulic Shovel	Cottage Grove	
❌ 301-055	Hitachi EX700 Hydraulic Excavator	Cottage Grove	
❌ 301-079	Hitachi EX3500 Hydraulic Shovel	Cottage Grove	
⚠️ 301-094	Hitachi EX1100 Hydraulic Excavator	Cottage Grove	
⚠️ 301-095	Caterpillar 5130 Hydraulic Shovel	Cottage Grove	
⚠️ 301-099	Caterpillar 988F Wheel Loader	Cottage Grove	
❌ 301-100	Hitachi EX3500 Hydraulic Shovel	Cottage Grove	
✅ 301-108	Komatsu WA600-1 Wheel Loader	Willow Lake	
⚠️ 301-110	Caterpillar 988B Wheel Loader	Cottage Grove	
⚠️ 302-006	Caterpillar 777B End Dump Truck	Cottage Grove	
✅ 302-007	Caterpillar 777B End Dump Truck	Cottage Grove	
❌ 302-013	Caterpillar 777C End Dump Truck	Cottage Grove	
⚠️ 302-014	Caterpillar 777C End Dump Truck	Cottage Grove	
✅ 302-031	Caterpillar 789B End Dump Truck	Cottage Grove	
⚠️ 302-032	Caterpillar 789B End Dump Truck	Cottage Grove	
❌ 302-034	Caterpillar 773B Water Truck	Cottage Grove	
⚠️ 302-066	Euclid R90 End Dump Truck	Cottage Grove	
✅ 302-067	Euclid R90 End Dump Truck	Cottage Grove	
⚠️ 302-068	Euclid R90 End Dump Truck	Cottage Grove	
❌ 302-069	Euclid R190 End Dump Truck	Cottage Grove	
⚠️ 302-070	Euclid R190 End Dump Truck	Cottage Grove	
❌ 302-077	Euclid R90 End Dump Truck	Cottage Grove	
❌ 302-078	Euclid R190 End Dump Truck	Cottage Grove	
❌ 302-081	Euclid R90 End Dump Truck	Cottage Grove	
❌ 302-098	Caterpillar 789B End Dump Truck	Cottage Grove	
⚠️ 302-108	Euclid R190 End Dump Truck	Cottage Grove	
⚠️ 302-117	Caterpillar 777D End Dump Truck	Cottage Grove	
✅ 302-118	Caterpillar 777D End Dump Truck	Cottage Grove	
⚠️ 302-135	Caterpillar 789B End Dump Truck	Cottage Grove	
❌ 302-136	Caterpillar 789B End Dump Truck	Cottage Grove	
❌ 303-004	Driltech D240K Rotary Drill	Cottage Grove	
❌ 303-016	Driltech D50K Rotary Drill	Cottage Grove	
❌ 303-023	Ingersoll Rand DM45/LP Rotary Drill	Cottage Grove	
⚠️ 303-031	Drilltech D50KS Rotary Drill	Cottage Grove	Fred Franklin
✅ 306-001	Caterpillar D6R Fabick Experimental	Willow Lake	

Component Connections



Wildling Mining
Friday, August 25, 2006

Show Component Connections for: All Components

Component ID	Lab Format	Code
301-029 Engine Front	TAM	301-029 119 ENGINE FRONT
	User CSV Import	CSVImport: 1570
301-029 Engine Rear	TAM	301-029 133 ENGINE REAR
	User CSV Import	CSVImport: 1571
301-029 Final Dr Left	TAM	301-029 248 FINAL DRIVE LEFT
	User CSV Import	CSVImport: 1572
301-029 Final Dr Right	TAM	301-029 249 FINAL DRIVE RIGHT
	User CSV Import	CSVImport: 1573
301-029 Hydraulics	TAM	301-029 146 HYDRAULIC SYSTEM
	User CSV Import	CSVImport: 1574
301-029 Pump Dr Front	TAM	301-029 153 PUMP DRIVE FRONT
	User CSV Import	CSVImport: 1575
301-029 Pump Dr Rear	TAM	301-029 154 PUMP DRIVE REAR
	User CSV Import	CSVImport: 1576
301-029 Radiator Front		
301-029 Radiator Rear		
301-029 Swing Dr Front	TAM	301-029 162 SWING DRIVE FRONT
	User CSV Import	CSVImport: 1577
301-029 Swing Dr Rear	TAM	301-029 163 SWING DRIVE REAR
	User CSV Import	CSVImport: 1578
301-043 Diff Front	TAM	301-043 115 DIFFERENTIAL FRONT
	User CSV Import	CSVImport: 1579
301-043 Diff Rear	TAM	301-043 116 DIFFERENTIAL REAR
	User CSV Import	CSVImport: 1580
301-043 Engine	TAM	301-043 118 ENGINE
	User CSV Import	CSVImport: 1581
301-043 Hydraulics	TAM	301-043 146 HYDRAULIC SYSTEM
	User CSV Import	CSVImport: 1586
301-043 Plan Front Left	TAM	301-043 183 WHEEL BEARINGS FRONT LEFT
	User CSV Import	CSVImport: 1582
301-043 Plan Front Right	TAM	301-043 184 WHEEL BEARINGS FRONT RIGHT
	User CSV Import	CSVImport: 1584
301-043 Plan Rear Left	TAM	301-043 142 LEFT REAR PLANTARY

Component Lubricants

Wildling Company
Friday, August 25, 2006



Component ID	Description	Lubricants (Summer / Winter)
301-029 Engine Front	Hitachi EX1800 Shovel Eng Front	ConocoPhillips Power D 15W40 / [None]
301-029 Engine Rear	Hitachi EX1800 Shovel Engine Rear	ConocoPhillips Power D 15W40 / [None]
301-094 Hydraulics	Hitachi EX1100 Backhoe Hydraulics	ConocoPhillips Powerdrive 10W / [None]
301-094 Pump Drive	Hitachi EX1100 Backhoe Shovel Pump Drive	ConocoPhillips PowerDrive 50W / [None]
301-094 Swing Dr Front	Hitachi EX1100 Backhoe Swing Front	ConocoPhillips Gear Oil 80W90 / [None]
301-094 Swing Dr Rear	Hitachi EX1100 Backhoe Swing Rear	ConocoPhillips Gear Oil 80W90 / [None]
301-095 Engine	Caterpillar 5130 Shovel Engine	ConocoPhillips Power D 15W40 / [None]
301-095 Final Dr Left	Caterpillar 5130 Shovel Final Drive Left	ConocoPhillips Gear Oil 80W90 / [None]
301-095 Final Dr Right	Caterpillar 5130 Shovel Final Drive Right	ConocoPhillips Gear Oil 80W90 / [None]
301-095 Hydraulics	Caterpillar 5130 Shovel Hydraulics	ConocoPhillips Power D 15W40 / [None]
301-095 Pump Dr	Caterpillar 5130 Shovel Pump Drive	ConocoPhillips Gear Oil 80W90 / [None]
301-095 Sw Dr Left	Caterpillar 5130 Shovel Swing Drive Left	ConocoPhillips Gear Oil 80W90 / [None]
301-095 Sw Dr Right	Caterpillar 5130 Shovel Swing Drive Right	ConocoPhillips Gear Oil 80W90 / [None]
301-099 Diff Front	Caterpillar 988F Loader Differential Front	ConocoPhillips PowerDrive 50W / [None]
301-099 Diff Rear	Caterpillar 988F Loader Differential Rear	ConocoPhillips PowerDrive 50W / [None]
301-099 Engine	Caterpillar 988F Loader Engine	ConocoPhillips Power D 15W40 / [None]
301-099 Plan Front Left	Caterpillar 988F Loader Planetary Left Front	ConocoPhillips PowerDrive 50W / [None]
301-099 Plan Rear Left	Caterpillar 988F Loader Planetary Left Rear	ConocoPhillips PowerDrive 50W / [None]
301-099 Plan Front Right	Caterpillar 988F Loader Planetary Right Front	ConocoPhillips PowerDrive 50W / [None]
301-099 Plan Rear Right	Caterpillar 988F Loader Planetary Right Rear	ConocoPhillips PowerDrive 50W / [None]
301-099 Hydraulics	Caterpillar 988F Loader Hydraulics	ConocoPhillips Powerdrive 10W / [None]
301-099 Transmission	Caterpillar 988F Loader Transmission	ConocoPhillips PowerDrive 30W / [None]
301-100 Engine Left	Hitachi EX3500 Shovel Engine Left	ConocoPhillips Power D 15W40 / [None]
301-100 Engine Right	Hitachi EX3500 Shovel Engine Right	ConocoPhillips Power D 15W40 / [None]
301-100 Final Dr Left	Hitachi EX3500 Shovel Final Drive Left	ConocoPhillips Gear Oil 80W90 / [None]
301-100 Final Dr Right	Hitachi EX3500 Shovel Final Drive Right	ConocoPhillips Gear Oil 80W90 / [None]
301-100 Hydraulics	Hitachi EX3500 Shovel Hydraulics	ConocoPhillips Powerdrive 10W / [None]
301-100 Pump Dr Left	Hitachi EX3500 Shovel Pump Drive Left	ConocoPhillips PowerDrive 50W / [None]
301-100 Pump Dr Right	Hitachi EX3500 Shovel Pump Drive Right	ConocoPhillips PowerDrive 50W / [None]
301-100 Sw Dr Front Left	Hitachi EX3500 Shovel Swing Left Front	ConocoPhillips Gear Oil 80W90 / [None]
301-100 Sw Dr Rear Left	Hitachi EX3500 Shovel Swing Left Rear	ConocoPhillips Gear Oil 80W90 / [None]
301-100 Sw Dr Front Right	Hitachi EX3500 Shovel Swing Right Front	ConocoPhillips Gear Oil 80W90 / [None]
301-100 Sw Dr Rear Right	Hitachi EX3500 Shovel Swing Right Rear	ConocoPhillips Gear Oil 80W90 / [None]
301-108 Diff Front	Komatsu WA600 Loader Differential Front	ConocoPhillips Power D 15W40 / [None]
301-108 Diff Rear	Komatsu WA600 Loader Differential Rear	ConocoPhillips Power D 15W40 / [None]
301-108 Engine	Komatsu WA600 Loader Engine	ConocoPhillips Power D 15W40 / [None]
301-108 Final Dr Fr Left	Komatsu WA600 Final Drive Left Front	ConocoPhillips PowerDrive 30W / [None]
301-108 Final Dr Re Left	Komatsu WA600 Final Drive Left Rear	ConocoPhillips PowerDrive 30W / [None]
301-108 Final Dr Fr Right	Komatsu WA600 Final Drive Right Front	ConocoPhillips PowerDrive 30W / [None]
301-108 Final Dr Re Right	Komatsu WA600 Final Drive Right Rear	ConocoPhillips PowerDrive 30W / [None]

Component Profile List

Wildling Company
Friday, August 25, 2006



Component Profile	Component Type	Meter Type	Alert Profiles
Bulk Trailer 1 Bulk Tank 10W	Bulk Tank		0
Bulk Trailer 1 Bulk Tank 15W40	Bulk Tank		0
Bulk Trailer 1 Bulk Tank 30W	Bulk Tank		0
Bulk Trailer 1 Bulk Tank 50W	Bulk Tank		1
Bulk Trailer 1 Bulk Tank 80W90	Bulk Tank		0
Bulk Trailer 1 Bulk Tank2 10W	Bulk Tank		0
Bulk Trailer 1 Bulk Tank3 10W	Bulk Tank		0
Bulk Trailer 2 Bulk Tank 10W	Bulk Tank		0
Bulk Trailer 2 Bulk Tank 15W40	Bulk Tank		0
Bulk Trailer 2 Bulk Tank 30W	Bulk Tank		0
Bulk Trailer 2 Bulk Tank 50W	Bulk Tank		1
Bulk Trailer 2 Bulk Tank 80W90	Bulk Tank		0
Bulk Trailer 3 Bulk Tank 10W	Bulk Tank		0
Bulk Trailer 3 Bulk Tank 15W40	Bulk Tank		0
Bulk Trailer 3 Bulk Tank 30W	Bulk Tank		0
Bulk Trailer 3 Bulk Tank 50W	Bulk Tank		1
Bulk Trailer 3 Bulk Tank 80W90	Bulk Tank		0
BULK TRUCK TANKER BULK TRUCK			0
Case 1840 Engine	Diesel Engine	99999 Hours (100,000 Hour Meter)	2
Caterpillar 16G Circle Drive	Circle Drive	99999 Hours (100,000 Hour Meter)	0
Caterpillar 16G Engine	Diesel Engine	99999 Hours (100,000 Hour Meter)	4
Caterpillar 16G Hydraulic	Hydraulic System	99999 Hours (100,000 Hour Meter)	3
Caterpillar 16G Tandem Drive	Tandem Drive	99999 Hours (100,000 Hour Meter)	4
Caterpillar 16G Transmission	Transmission	99999 Hours (100,000 Hour Meter)	3
Caterpillar 16G Wheel Bearing	Wheel Bearing	99999 Hours (100,000 Hour Meter)	2
Caterpillar 16H Circle Drive	Circle Drive	99999 Hours (100,000 Hour Meter)	0
Caterpillar 16H Engine	Diesel Engine	99999 Hours (100,000 Hour Meter)	2
Caterpillar 16H Hydraulic	Hydraulic System	99999 Hours (100,000 Hour Meter)	2
Caterpillar 16H Tandem Drive	Tandem Drive	99999 Hours (100,000 Hour Meter)	4

Component Time in Condition



Wildling Company
Friday, August 25, 2006

Show Component Time in Condition based on Assigned Condition on Reviews For Components in Condition: Critical, Normal Time
Period: Last 90 Days Sorted by: Component ID

Component ID	Time (Days) in Condition - Assigned Rating			
301-029 Final Dr Left	0 (0%)	0 (0%)	0 (0%)	90 (100%)
301-029 Hydraulics	0 (0%)	0 (0%)	35 (39%)	55 (61%)
301-029 Pump Dr Front	19 (21%)	0 (0%)	36 (40%)	35 (39%)
301-029 Pump Dr Rear	19 (21%)	0 (0%)	36 (40%)	35 (39%)
301-029 Swing Dr Front	0 (0%)	0 (0%)	36 (40%)	54 (60%)
301-029 Swing Dr Rear	0 (0%)	0 (0%)	36 (40%)	54 (60%)
301-054 Sw Dr Rear Left	25 (28%)	0 (0%)	16 (18%)	49 (54%)
301-054 Sw Dr Rear Right	25 (28%)	0 (0%)	16 (18%)	49 (54%)
301-055 Final Dr Left	0 (0%)	0 (0%)	18 (20%)	72 (80%)
301-055 Final Dr Right	0 (0%)	0 (0%)	18 (20%)	72 (80%)
301-079 Pump Dr Right	14 (16%)	0 (0%)	43 (48%)	33 (37%)
301-100 Final Dr Left	26 (29%)	0 (0%)	16 (18%)	48 (53%)
302-013 Steering	27 (30%)	0 (0%)	8 (9%)	55 (61%)
302-034 Transmission	34 (38%)	0 (0%)	22 (24%)	34 (38%)
302-069 Wh Motor Left	0 (0%)	51 (57%)	8 (9%)	31 (34%)
302-077 Steering	26 (29%)	0 (0%)	18 (20%)	46 (51%)
302-078 Pump Drive	0 (0%)	13 (14%)	46 (51%)	31 (34%)
302-081 Transmission	22 (24%)	0 (0%)	17 (19%)	51 (57%)
302-098 Final Drive Right	27 (30%)	0 (0%)	31 (34%)	32 (36%)
302-098 Hydraulics	53 (59%)	0 (0%)	5 (6%)	32 (36%)
302-136 Steering	26 (29%)	0 (0%)	21 (23%)	43 (48%)
303-004 Rotary Dr	16 (18%)	23 (26%)	18 (20%)	33 (37%)
303-016 Final Dr Right	0 (0%)	0 (0%)	58 (64%)	32 (36%)
303-016 Pump Dr Front	0 (0%)	0 (0%)	58 (64%)	32 (36%)
303-016 Pump Dr Rear	47 (52%)	0 (0%)	11 (12%)	32 (36%)
303-016 Rotary Drive	0 (0%)	0 (0%)	58 (64%)	32 (36%)

Component Time in Condition



Wildling Company
Friday, August 25, 2006

Show Component Time in Condition based on Assigned Condition on Reviews For Components in Condition: Critical, Normal Time
Period: Last 90 Days Sorted by: Component ID

Component ID	Time (Days) in Condition - Assigned Rating			
303-023 Rotary Dr	30 (33%)	0 (0%)	17 (19%)	43 (48%)
307-007 Engine	0 (0%)	4 (4%)	51 (57%)	35 (39%)
310-014 Transmission	30 (33%)	0 (0%)	10 (11%)	50 (56%)
310-019 Engine	7 (8%)	8 (9%)	38 (42%)	37 (41%)
310-020 Hydraulics	23 (26%)	10 (11%)	8 (9%)	49 (54%)
311-026 Final Dr Left	40 (44%)	0 (0%)	11 (12%)	39 (43%)
311-026 Transmission	0 (0%)	49 (54%)	2 (2%)	39 (43%)
311-056 Transmission	0 (0%)	20 (22%)	10 (11%)	60 (67%)
316-017 Tandem Drive Left	0 (0%)	0 (0%)	14 (16%)	76 (84%)
316-017 Tandem Drive Right	0 (0%)	0 (0%)	14 (16%)	76 (84%)
316-017 Transmission	0 (0%)	0 (0%)	14 (16%)	76 (84%)
320-041 Engine	0 (0%)	0 (0%)	0 (0%)	90 (100%)
320-062 Transmission	0 (0%)	0 (0%)	0 (0%)	90 (100%)
Averages	14 (16%)	5 (6%)	22 (24%)	49 (54%)

Components Not Sampled

Wildling Company
Friday, August 25, 2006



Component ID	Description	Date Last Sampled	Days Since Last Sample
301-029 Engine Front	Hitachi EX1800 Shovel Eng Front	7/20/2006	36
301-029 Engine Rear	Hitachi EX1800 Shovel Engine Rear	7/20/2006	36
301-029 Final Dr Left	Hitachi EX1800 Shovel Final Drive Left	6/18/2006	68
301-029 Final Dr Right	Hitachi EX1800 Shovel Final Drive Right	7/20/2006	36
301-029 Hydraulics	Hitachi EX1800 Shovel Hydraulics	7/21/2006	35
301-029 Pump Dr Front	Hitachi EX1800 Shovel Pump Drive Front	7/20/2006	36
301-029 Pump Dr Rear	Hitachi EX1800 Shovel Pump Drive Rear	7/20/2006	36
301-029 Swing Dr Front	Hitachi EX1800 Shovel Swing Front	7/20/2006	36
301-029 Swing Dr Rear	Hitachi EX1800 Shovel Swing Rear	7/20/2006	36
301-043 Diff Front	Caterpillar 988F Loader Differential Front	7/5/2006	51
301-043 Diff Rear	Caterpillar 988F Loader Differential Rear	7/5/2006	51
301-043 Plan Front Left	Caterpillar 988F Loader Planetary Left Front	7/5/2006	51
301-043 Plan Front Right	Caterpillar 988F Loader Planetary Right Front	7/5/2006	51
301-043 Plan Rear Left	Caterpillar 988F Loader Planetary Left Rear	7/5/2006	51
301-043 Plan Rear Right	Caterpillar 988F Loader Planetary Right Rear	7/5/2006	51
301-094 Final Dr Left	Hitachi EX1100 Backhoe Final Drive Left	7/22/2006	34
301-094 Final Dr Right	Hitachi EX1100 Backhoe Final Drive Right	7/22/2006	34
301-094 Swing Dr Front	Hitachi EX1100 Backhoe Swing Front	7/22/2006	34
301-108 Diff Front	Komatsu WA600 Loader Differential Front	8/12/2004	743
301-108 Diff Rear	Komatsu WA600 Loader Differential Rear	8/12/2004	743
301-108 Engine	Komatsu WA600 Loader Engine	7/12/2006	44
301-108 Final Dr Fr Left	Komatsu WA600 Final Drive Left Front	8/12/2004	743
301-108 Final Dr Fr Right	Komatsu WA600 Final Drive Right Front	8/12/2004	743
301-108 Final Dr Re Left	Komatsu WA600 Final Drive Left Rear	8/12/2004	743
301-108 Final Dr Re Right	Komatsu WA600 Final Drive Right Rear	8/12/2004	743
301-108 Hydraulics	Komatsu WA600 Loader Hydraulics	8/12/2004	743
301-108 Transmission	Komatsu WA600 Loader Transmission	7/6/2006	50
301-110 Differential Front	Caterpillar 988B Loader Differential Front	7/14/2006	42
301-110 Differential Rear	Caterpillar 988B Loader Differential Rear	7/14/2006	42
301-110 Hydraulics	Caterpillar 988B Loader Hydraulics	7/15/2006	41
301-110 Planetary Front Left	Caterpillar 988B Loader Planetary Left Front	7/14/2006	42
301-110 Planetary Front Right	Caterpillar 988B Loader Planetary Right Front	7/14/2006	42

Inbox Abnormals - Lab



Twoling Brothers

Friday, August 25, 2006

Note - Results for Clean & Review Only

Critical

Component ID: 404 Tractor Transmission Profile: Caterpillar 637E Tractor Transmission Sample Date: 7/13/2006

Lab Comment: Action Required. HYDRAULIC OIL APPEARS TO HAVE TRANSFERRED INTO TRANSMISSION THRU A DAMAGED PUMP SEAL. VISCOSITY TESTED AT LOW 20 WT. WEAR METALS ARE NORMAL. CHECK PUMP SEAL FOR DAMAGE.

Component ID: 355 Engine Profile: Caterpillar 690D Engine Sample Date: 7/13/2006

Lab Comment: Action Required. IRON WEAR APPEARS ELEVATED. OTHER METALS ARE NORMAL. NO OTHER PROBLEMS INDICATED.

Component ID: 621 Engine Profile: Caterpillar 24H Engine Sample Date: 7/17/2006

Lab Comment: Action Required. ELEVATED LEAD CONTINUES, PROBABLY CAUSED BY OIL OXIDATION ON BEARING SHELLS. OTHER METALS ARE NORMAL. CHECK ENGINE FOR OVERHEATING

Component ID: 711 Differential Profile: Caterpillar 789 Differential Sample Date: 7/18/2006

Lab Comment: Action Required. CHROME AND IRON INCREASING. OTHER WEAR METALS APPEAR NORMAL. PARTICLE COUNT CONTINUES TO BE ABOVE THE RECOMMENDED ISO CODE LEVEL FOR THIS SYSTEM.

Component ID: 711 Final Drive Left Profile: Caterpillar 789 Final Drive Sample Date: 7/18/2006

Lab Comment: Action Required. IRON AND CHROME TREND CONTINUES. SAMPLE PARTICLES TOO HIGH TO REGISTER READINGS.

Component ID: 711 Final Drive Right Profile: Caterpillar 789 Final Drive Sample Date: 7/18/2006

Lab Comment: Action Required. IRON AND CHROME TREND CONTINUES. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. PARTICLE COUNT CONTINUES TO BE ABOVE THE RECOMMENDED ISO CODE LEVEL FOR THIS SYSTEM.

Component ID: 711 Front Wheel Right Profile: Caterpillar 789 Front Wheel Sample Date: 7/18/2006

Lab Comment: Action Required. IRON HAS MORE THAN DOUBLED FROM PREVIOUS SAMPLE. METAL DEBRIS WAS VISIBLE IN SAMPLE.

Component ID: 326 Final Drive Left Rear Profile: Caterpillar 834B Final Drive Sample Date: 7/18/2006

Lab Comment: Action Required. SILICON HAS CAUSED ELEVATED IRON WEAR. OTHER METALS ARE NORMAL. PARTICLE COUNT CONTINUES TO BE ABOVE THE RECOMMENDED ISO CODE LEVEL FOR THIS SYSTEM. LPD (LARGE PARTICLE DETECTION) READING EXCEEDS RECOMMENDED CLEANLINESS LEVEL.

Component ID: 517 Engine Profile: Caterpillar D11R CD Engine Sample Date: 7/19/2006

Lab Comment: Action Required. SILICON UNACCEPTABLE, MAY INDICATE DIRT ENTRY THROUGH AIR INTAKE CONTRIBUTING TO HIGHER WEAR IN RING/LINER AREA.

Component ID: 517 Final Drive Left Profile: Caterpillar D11R CD Final Drive Sample Date: 7/19/2006

Lab Comment: Action Required. SILICON HAS ELEVATED IRON WEAR SIGNIFICANTLY .. SILICON ENTRY FROM LEAKING SEALS. FLUID TOO BLACK TO REGISTER PARTICLE COUNT.

Inbox Abnormals - Trakka



Wildcat Hills

Friday, August 25, 2006

Note - Results for Clean & Review Only

Critical

Component ID: 302-098 Final Drive Left Profile: Caterpillar 789B Final Drive Sample Date: 8/16/2006
Lab Comment: No Comment.

Component ID: 302-098 Final Drive Right Profile: Caterpillar 789B Final Drive Sample Date: 8/16/2006
Lab Comment: No Comment.

Component ID: 302-078 Pump Drive Profile: Euclid R190 Pump Drive Sample Date: 8/18/2006
Lab Comment: No Comment.

Component ID: 301-100 Pump Dr Left Profile: Hitachi EX3500 Pump Drive Sample Date: 8/19/2006
Lab Comment: No Comment.

Component ID: 301-100 Pump Dr Right Profile: Hitachi EX3500 Pump Drive Sample Date: 8/19/2006
Lab Comment: No Comment.

Component ID: 307-006 Final Dr Right Profile: Caterpillar D7R Final Drive Sample Date: 8/20/2006
Lab Comment: No Comment.

Component ID: 302-098 Differential Rear Profile: Caterpillar 789B Differential Sample Date: 8/20/2006
Lab Comment: No Comment.

Component ID: 302-098 Final Drive Left Profile: Caterpillar 789B Final Drive Sample Date: 8/20/2006
Lab Comment: No Comment.

Component ID: 302-098 Final Drive Right Profile: Caterpillar 789B Final Drive Sample Date: 8/20/2006
Lab Comment: No Comment.

Component ID: 311-040 Final Dr Left Profile: Caterpillar D11R Final Drive Sample Date: 8/20/2006
Lab Comment: No Comment.

Component ID: 311-036 Final Dr Left Profile: Caterpillar D11N Final Drive Sample Date: 8/21/2006
Lab Comment: No Comment.

Component ID: 311-036 Final Dr Right Profile: Caterpillar D11N Final Drive Sample Date: 8/21/2006
Lab Comment: No Comment.

Component ID: 301-079 Pump Dr Left Profile: Hitachi EX3500 Pump Drive Sample Date: 8/21/2006
Lab Comment: No Comment.

Component ID: 301-079 Pump Dr Right Profile: Hitachi EX3500 Pump Drive Sample Date: 8/21/2006
Lab Comment: No Comment.

Inbox Summary

Wildcat Hills
Friday, August 25, 2006



Overall Samples for Review: 50
 Samples for Connection: 0
 Lab Ratings: 0 critical, 0 warning, 50 normal
 Trakka Ratings: 30 critical, 8 warning, 12 normal

Samples for Review By Asset Type	Lab Ratings				Trakka Ratings		
Hydraulic Shovel	0	0	6	0	4	0	2
Off Highway Truck	0	0	27	0	13	5	9
Wheel Loader	0	0	6	0	6	0	0
Track Dozer	0	0	11	0	7	3	1

Samples for Review By Component Type	Lab Ratings				Trakka Ratings		
Diesel Engine	0	0	4	0	0	0	4
Differential	0	0	5	0	4	1	0
Planetary	0	0	4	0	4	0	0
Hydraulic System	0	0	3	0	0	0	3
Transmission	0	0	3	0	2	0	1
Final Drive	0	0	20	0	13	5	2
Pump Drive	0	0	6	0	5	0	1
Wheel Bearing	0	0	2	0	0	2	0
Steering	0	0	3	0	2	0	1

Inbox Unconnected Samples

ConocoPhillips Darwin LNG
Friday, August 25, 2006



Total Unconnected Samples: 0

Lab	Customer #	Lab Asset	Lab Comp	Lab Comp Mod	Lab Make	Lab Model	Sample Date	Meter Reading	Oil Age	Lab Sample ID
ALS	34608	1U-1521	U/S Lube oil supply filters				7/25/2006	0		6038266
ALS	34608	1U-1521	U/S Lube oil supply filters				8/8/2006	4300	4300	6027846
ALS	34608	1U-1521	U/S Lube oil supply filters				5/28/2006	2000		5994171
ALS	34608	1U-1521	U/S Lube oil supply filters				6/2/2006	2799		5994161
ALS	34608	1301	Regen Compressor				5/13/2006	0		5994159
ALS	34608	1G-3106	U/S of oil filter		Cummins	VTA28G6 (12 cyl)	5/13/2006	270		5994041
ALS	34608	1G-3106	U/S of oil filter		Cummins	VTA28G6 (12 cyl)	6/2/2006	273		5994028
ALS	34608	1G-3106	U/S of oil filter		Cummins	VTA28G6 (12 cyl)	8/6/2006	0		6027822
ALS	34608	2401A	Bog Compr				5/13/2006	815		5994158

Lab File Import Log

Wildling Brothers
Friday, August 25, 2006



Date Imported	Lab	File Name	Status	Samples	Exceptions	Duplicates	Unmatched
8/25/2006 1:27:09 AM	CAT	BBCOAL236	Completed	25	0	0	0
8/24/2006 3:30:28 PM	CAT	50347_212176.236	Completed	37	0	37	0
8/24/2006 3:28:59 PM	CAT	50303_212176.235	Completed	47	0	47	0
8/24/2006 3:27:20 PM	CAT	50333_BBCOAL235	Completed	37	0	37	0
8/24/2006 9:15:22 AM	CAT	212176.236	Processing File	37			
8/23/2006 11:59:33 PM	CAT	BBCOAL235	Processing File	37			
8/23/2006 9:46:32 AM	CAT	212176.235	Processing File	47			
8/22/2006 11:14:14 PM	CAT	bbcoal234	Completed	27	0	0	0
8/22/2006 10:22:41 AM	CAT	212176.234	Completed	20	0	20	0
8/21/2006 10:50:38 PM	CAT	BBCOAL233	Completed	20	0	0	1
8/21/2006 7:47:36 AM	CAT	212176.233	Completed	25	0	25	0
8/18/2006 10:12:35 PM	CAT	BBCOAL230	Completed	25	0	0	0
8/18/2006 9:20:42 AM	CAT	212176.230	Completed	10	0	10	0
8/17/2006 10:39:41 PM	CAT	BBCOAL229	Completed	10	0	0	0
8/17/2006 7:22:16 AM	CAT	212176.229	Completed	32	0	32	0
8/16/2006 11:20:57 PM	CAT	BBCOAL228	Completed	32	0	0	0
8/16/2006 10:28:27 AM	CAT	212176.228	Completed	17	0	17	0
8/15/2006 11:06:32 PM	CAT	BBCOAL227	Completed	17	0	0	0
8/15/2006 9:57:56 AM	CAT	212176.227	Completed	50	0	50	0
8/14/2006 11:03:30 PM	CAT	BBCOAL226	Completed	50	0	0	2
8/14/2006 6:49:54 AM	CAT	212176.226	Completed	19	0	19	0
8/11/2006 9:43:39 PM	CAT	BBCOAL223	Completed	19	0	0	0
8/11/2006 11:40:51 AM	CAT	212176.223	Completed	34	0	34	0
8/10/2006 11:59:35 PM	CAT	BBCOAL222	Completed	34	0	0	0
8/10/2006 7:47:13 AM	CAT	212176.222	Completed	22	0	22	0
8/9/2006 10:56:32 PM	CAT	BBCOAL221	Completed	22	0	0	0
8/9/2006 6:44:01 AM	CAT	212176.221	Completed	27	0	27	0

Lubricant Usage

Wildling Brothers
Friday, August 25, 2006



Lubricant Usage from: 7/25/2006 to 8/25/2006


Component ID	Component Profile	Lubricant Capacity	Lubricant Usage	Date
301-043 Hydraulics	Caterpillar 988F Hydraulic	61	6	8/3/2006
301-054 Engine Left	Hitachi EX3500 Engine	32	2	7/31/2006
301-054 Engine Left	Hitachi EX3500 Engine	32	3	8/23/2006
301-054 Engine Right	Hitachi EX3500 Engine	32	2	7/31/2006
301-054 Engine Right	Hitachi EX3500 Engine	32	3	8/23/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	85	7/26/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	23	7/27/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	70	7/28/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	56	7/29/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	97	7/31/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	35	8/2/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	46	8/3/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	38	8/4/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	50	8/5/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	45	8/6/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	45	8/7/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	110	8/8/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	40	8/10/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	35	8/11/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	185	8/12/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	750	8/14/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	50	8/15/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	280	8/16/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	28	8/18/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	69	8/20/2006
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1057	24	8/23/2006
301-054 Pump Dr Left	Hitachi EX3500 Pump Drive	6.6	6.6 (Drained)	8/2/2006
301-054 Pump Dr Left	Hitachi EX3500 Pump Drive	6.6	1	8/17/2006
301-054 Pump Dr Left	Hitachi EX3500 Pump Drive	6.6	2	8/20/2006
301-054 Pump Dr Right	Hitachi EX3500 Pump Drive	6.6	6.6 (Drained)	8/2/2006
301-054 Sw Dr Front Left	Hitachi EX3500 Swing Gearbox	20	8	8/18/2006
301-054 Sw Dr Front Right	Hitachi EX3500 Swing Gearbox	20	2	8/21/2006
301-054 Sw Dr Rear Left	Hitachi EX3500 Swing Gearbox	20	20 (Drained)	8/15/2006
301-054 Sw Dr Rear	Hitachi EX3500 Swing Gearbox	20	20 (Drained)	8/15/2006


Lubricant Usage Summary


Wildling Brothers
Friday, August 25, 2006





Component ID	Component Profile	Capacity	Usage (Drains)	Usage (Make Up)	Total
301-043 Engine	Caterpillar 988F Engine	10.9	10.9	0.0	10.9
301-043 Hydraulics	Caterpillar 988F Hydraulic	61.0	0.0	6.0	6.0
301-043 Transmission	Caterpillar 988F Transmission	26.5	26.5	0.0	26.5
301-054 Engine Left	Hitachi EX3500 Engine	32.0	64.0	12.6	76.6
301-054 Engine Right	Hitachi EX3500 Engine	32.0	64.0	12.6	76.6
301-054 Final Dr Left	Hitachi EX3500 Final Drive	58.0	0.0	0.0	0.0
301-054 Final Dr Right	Hitachi EX3500 Final Drive	58.0	0.0	0.0	0.0
301-054 Hydraulics	Hitachi EX3500 Hydraulic	1,057.0	0.0	9,555.6	9,555.6
301-054 Pump Dr Left	Hitachi EX3500 Pump Drive	6.6	13.2	3.0	16.2
301-054 Pump Dr Right	Hitachi EX3500 Pump Drive	6.6	13.2	0.0	13.2
301-054 Sw Dr Front Left	Hitachi EX3500 Swing Gearbox	20.0	0.0	8.0	8.0
301-054 Sw Dr Front Right	Hitachi EX3500 Swing Gearbox	20.0	0.0	2.0	2.0
301-054 Sw Dr Rear Left	Hitachi EX3500 Swing Gearbox	20.0	20.0	0.0	20.0
301-054 Sw Dr Rear Right	Hitachi EX3500 Swing Gearbox	20.0	20.0	0.0	20.0
301-055 Engine	Hitachi EX700 Engine	11.6	11.6	31.5	43.1
301-055 Final Dr Left	Hitachi EX700 Final Drive	6.1	6.1	0.0	6.1
301-055 Final Dr Right	Hitachi EX700 Final Drive	6.1	6.1	0.0	6.1
301-055 Hydraulics	Hitachi EX700 Hydraulic	174.0	0.0	1,914.2	1,914.2
301-055 Pump Drive	Hitachi EX700 Pump Drive	3.4	3.4	20.9	24.3
301-055 Swing Dr Left	Hitachi EX700 Swing Gearbox	3.2	3.2	10.6	13.8
301-055 Swing Dr Right	Hitachi EX700 Final Drive	6.1	6.1	0.0	6.1
301-079 Engine Left	Hitachi EX3500 Engine	32.0	64.0	34.3	98.3
301-079 Engine Right	Hitachi EX3500 Engine	32.0	64.0	14.4	78.4
301-079 Final Dr Left	Hitachi EX3500 Final Drive	58.0	58.0	0.0	58.0
301-079 Final Dr Right	Hitachi EX3500 Final Drive	58.0	116.0	0.0	116.0
301-079 Hydraulics	Hitachi EX3500 Hydraulic	1,057.0	0.0	13,214.2	13,214.2
301-079 Pump Dr Left	Hitachi EX3500 Pump Drive	6.6	19.8	9.6	29.4
301-079 Pump Dr Right	Hitachi EX3500 Pump Drive	6.6	13.2	9.6	22.8
301-079 Sw Dr Front Left	Hitachi EX3500 Swing Gearbox	20.0	20.0	0.0	20.0


Customer	Personal Test Site - Paul Higgins	Component: Gen 01 Engine Serial No: 4EK00719 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 8/4/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="73000"/> Lube Age: <input type="text" value="305666"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/16/2005 Lube Added: <input type="text"/>
		Notes


Customer	Personal Test Site - Paul Higgins	Component: Gen 01 Engine Serial No: 4EK00719 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 6/28/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="75000"/> Lube Age: <input type="text"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/16/2005 Lube Added: <input type="text"/>
		Notes


Customer	Personal Test Site - Paul Higgins	Component: Gen 03 -Engine Serial No: 4EK00834 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 6/29/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="65600"/> Lube Age: <input type="text" value="7189"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/9/2005 Lube Added: <input type="text" value="5"/>
		Notes


Customer	Personal Test Site - Paul Higgins	Component: Gen 03 -Engine Serial No: 4EK00834 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 7/7/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="75000"/> Lube Age: <input type="text"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/9/2005 Lube Added: <input type="text"/>
		Notes


Customer	Personal Test Site - Paul Higgins	Component: Gen 03 -Engine Serial No: 4EK00834 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 8/25/2006 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="10000"/> Lube Age: <input type="text" value="54571"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/9/2005 Lube Added: <input type="text"/>
		Notes

Customer	Personal Test Site - Paul Higgins	Component: Gen 11 -Engine Serial No: 4EK00685 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 8/1/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="65000"/> Lube Age: <input type="text" value="106494"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/12/2005 Lube Added: <input type="text" value="1"/>
		Notes

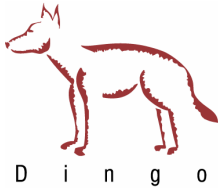
Customer	Personal Test Site - Paul Higgins	Component: Gen 11 -Engine Serial No: 4EK00685 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 8/2/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="64250"/> Lube Age: <input type="text" value="105744"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/12/2005 Lube Added: <input type="text" value="2"/>
		Notes

Customer	Personal Test Site - Paul Higgins	Component: Gen 11 -Engine Serial No: 4EK00685 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 8/25/2006 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text" value="68000"/> Lube Age: <input type="text" value="9542"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/12/2005 Lube Added: <input type="text"/>
		Notes

Customer	Personal Test Site - Paul Higgins	Component: Gen 11 -Engine Serial No: 4EK00685 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 8/9/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text"/> Lube Age: <input type="text"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/12/2005 Lube Added: <input type="text"/>
		Notes

Customer	Personal Test Site - Paul Higgins	Component: Gen 11 -Engine Serial No: 4EK00685 Profile: Caterpillar G3516 Type: Engine-Natural Gas Asset Type: Generator-Gas
	Tel: Fax:	Sample Date: 7/22/2005 Lube Drained: <input type="checkbox"/> (Y/N) Meter: <input type="text"/> Lube Age: <input type="text"/>
Program		Lubricant: Generic Natural Gas Engine Oil 15W-40 Last Drain: 5/12/2005 Lube Added: <input type="text"/>
		Notes

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