

ROTARY SCREW AIR COMPRESSOR MAINTENANCE CHART

Rig #	122	Oil Type	pao-46
MODEL#	50dghw-te	SERIAL#	11b025
ASSET#		DATE	2-1228
HRS	18397	W/O#	
COMPANY	broken arrow	TECHNICIAN	josh
Description of work and parts used			
y	FLUSHED OIL SYSTEM		
y	CHANGED OIL		
y	CHANGED OIL FILTER		
y	CHANGED AIR FILTER		
y	CHANGED SEPERATOR		
y	CLEANED RADIATOR		
n	ADDED NEW OIL SAMPLE VALVE		
n of equipment, every thing looks good, sample valve in place			

ROTARY SCREW AIR COMPRESSOR MAINTENANCE CHART

Rig #	122	Oil Type	pao-46		
MODEL#	50dghw-te	SERIAL#	11b026	ASSET#	2-1229
HRS	20184	W/O#		DATE	7/28/2014
COMPANY	broken arrow	TECHNICIAN	josh		

Description of work and parts used

y	FLUSHED OIL SYSTEM
y	CHANGED OIL
y	CHANGED OIL FILTER
y	CHANGED AIR FILTER
y	CHANGED SEPERATOR
y	CLEANED RADIATOR
n	ADDED NEW OIL SAMPLE VALVE

Condition of equipment, every thing looks good, sample valve in place

Individual Pump Inspections

Company/Division:		Asset # 38-491				
Rig:		122				
Pump#:1						
Field Inspection Report -		Make: TFI-1600	Model: 1600			
Recommended Running Clearances		Inches				
	Min.	Max.	Actual	General		
Crosshead to slide - Left	.030	.045	0.034	Check all oil lines	<input checked="" type="checkbox"/>	
Crosshead to slide - Center	.030	.045	0.037	Check all tied Bolts	<input checked="" type="checkbox"/>	
Crosshead to slide - Right	.030	.045	0.033	Drain & check Cleanouts	<input checked="" type="checkbox"/>	
Main Bearing - Left	.005	.020	0.017	Check and clean, gear end with diesel if needed	<input checked="" type="checkbox"/>	
Main Bearing - Right	.005	.020	0.013		<input checked="" type="checkbox"/>	
Pinion Shaft Bearing - Left	.002	.015	0.008	Pony Rod Alignment	<input checked="" type="checkbox"/>	
Pinion Shaft Bearing - Right	.002	.015	0.009	Check pony rods for cracks and wear (replace if necessary)	<input checked="" type="checkbox"/>	
Crosshead Pin Bearing - Left	.002	.005	0.004		<input checked="" type="checkbox"/>	
Crosshead Pin Bearing - Center	.002	.005	0.004	Check piston rods for cracks and wear (replace if necessary)	<input checked="" type="checkbox"/>	
Crosshead Pin Bearing - Right	.002	.005	0.004		<input checked="" type="checkbox"/>	
Connecting Rod to Eccentric Bearing - LH	.002	.020	0.013	Check clamps for wear (replace if necessary)	<input checked="" type="checkbox"/>	
Connecting Rod to Eccentric Bearing - CTN	.002	.020	0.007		<input checked="" type="checkbox"/>	
Connecting Rod to Eccentric Bearing - RH	.002	.020	0.012	Check all bearings w/ mirror for pitting and flaking	<input checked="" type="checkbox"/>	
Oil Pump Pinion to Main Gear - Backlash	.010	.025	0.014		<input checked="" type="checkbox"/>	
Pinion Shaft to Main Gear - Backlash	.010	.050	0.035	Check all oil pump screens	<input checked="" type="checkbox"/>	
Bull Gear Wear				Check pillow block bearings on independent pump	<input type="checkbox"/>	
Pinion Gear Wear					<input type="checkbox"/>	
Extension Rods				On inspection replace pony rod seals (Regardless if the rig says they have already been changed seals still need to be checked) replace gaskets if need do not use silicone unless need to fill a void. (do not use to excess because it gets into gear end)	<input checked="" type="checkbox"/>	
Comments:						
left main bearing is starting to show a little discoloration						
on the rollers						
new windows all three been painted over						
National		Gardner Denver		Continental Emsco		
Check troughs	<input type="checkbox"/>	Oil pressure and Gauge	<input type="checkbox"/>	Oil pressure and Gauge	<input checked="" type="checkbox"/>	
Check crosshead's for cracks at pony rod clamp	<input type="checkbox"/>	Oil Filter	<input type="checkbox"/>	Check pony rod wiper if equipped if not equipped with wipers get parts to correct	<input checked="" type="checkbox"/>	
		Oil spray bar for crossheads	<input type="checkbox"/>			
Check pony rod clamp on bolts on crosshead's	<input type="checkbox"/>	Check to see if correct pony rods are installed by gauging distance between it and oil stop plate.	<input type="checkbox"/>	Check to see if baffle plates are doweled in pump	<input checked="" type="checkbox"/>	
Loosen pony rod clamp bolts and tighten pony rod then retorque bolts	<input type="checkbox"/>		Oil pump Screen		<input type="checkbox"/>	
		If new floaters are not there get parts to install floating seals	<input type="checkbox"/>			

Action Items:

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Individual Pump Inspections

Company/Division:		Asset # 38-492					
Rig:		122					
Pump#:2							
Field Inspection Report -		Make: TFI_1600	Model: 1600				
Recommended Running Clearances		Inches					
	Min.	Max.	Actual	General			
Crosshead to slide - Left	.030	.045		Check all oil lines	<input checked="" type="checkbox"/>		
Crosshead to slide - Center	.030	.045		Check all tied Bolts	<input checked="" type="checkbox"/>		
Crosshead to slide - Right	.030	.045		Drain & check Cleanouts	<input checked="" type="checkbox"/>		
Main Bearing - Left	.005	.020	0.013	Check and clean, gear end with diesel if needed	<input checked="" type="checkbox"/>		
Main Bearing - Right	.005	.020	0.011				
Pinion Shaft Bearing - Left	.002	.015	0.009	Pony Rod Alignment	<input checked="" type="checkbox"/>		
Pinion Shaft Bearing - Right	.002	.015	0.008				
Crosshead Pin Bearing - Left	.002	.005	0.004	and wear (replace if necessary)			
Crosshead Pin Bearing - Center	.002	.005	0.004	Check piston rods for cracks	<input checked="" type="checkbox"/>		
Crosshead Pin Bearing - Right	.002	.005	0.004	and wear (replace if necessary)			
Connecting Rod to Eccentric Bearing - LH	.002	.020	0.009	Check clamps for wear	<input checked="" type="checkbox"/>		
Connecting Rod to Eccentric Bearing - CTN	.002	.020	0.009	(replace if necessary)			
Connecting Rod to Eccentric Bearing - RH	.002	.020	0.009	Check all bearings w/ mirror	<input checked="" type="checkbox"/>		
Oil Pump Pinion to Main Gear - Backlash	.010	.025	0.013	for pitting and flaking			
Pinion Shaft to Main Gear - Backlash	.010	.050	.027	Check all oil pump screens	<input checked="" type="checkbox"/>		
Bull Gear Wear			good	Check pillow block bearings on independent pump	<input type="checkbox"/>		
Pinion Gear Wear			good				
Extension Rods			good	On inspection replace pony rod seals (Regardless if the rig says they have already been changed seals still need to be checked) replace gaskets if need do not use silicone unless need to fill a void. (do not use to excess because it gets into gear end)	<input checked="" type="checkbox"/>		
Comments:							
3 new windows been painted over							
National		Gardner Denver		Continental Emsco			
Check troughs	<input type="checkbox"/>	Oil pressure and Gauge	<input type="checkbox"/>	Oil pressure and Gauge	<input checked="" type="checkbox"/>		
Check crosshead's for cracks at pony rod clamp	<input type="checkbox"/>	Oil Filter	<input type="checkbox"/>	Check pony rod wiper if equipped if not equipped with wipers get parts to correct	<input checked="" type="checkbox"/>		
		Oil spray bar for crossheads	<input type="checkbox"/>				
Check pony rod clamp on bolts on crosshead's	<input type="checkbox"/>	Check to see if correct pony rods are installed by gauging distance between it and oil stop plate.	<input type="checkbox"/>	Check to see if baffle plates are doweled in pump	<input checked="" type="checkbox"/>		
Loosen pony rod clamp bolts and tighten pony rod then retorque bolts	<input type="checkbox"/>						
		Oil pump Screen	<input type="checkbox"/>				
		If new floaters are not there get parts to install floating seals	<input type="checkbox"/>				

Action Items:

Individual Pump Inspections

Company/Division:		Asset #				
Rig:		122				
Pump#:3						
Field Inspection Report -		Make:		Model:		
Recommended Running Clearances		Inches				
	Min.	Max.	Actual	General		
Crosshead to slide - Left	.030	.045		Check all oil lines	<input type="checkbox"/>	
Crosshead to slide - Center	.030	.045		Check all tied Bolts	<input type="checkbox"/>	
Crosshead to slide - Right	.030	.045		Drain & check Cleanouts	<input type="checkbox"/>	
Main Bearing - Left	.005	.020		Check and clean, gear end with diesel if needed	<input type="checkbox"/>	
Main Bearing - Right	.005	.020				
Pinion Shaft Bearing - Left	.002	.015		Pony Rod Alignment	<input type="checkbox"/>	
Pinion Shaft Bearing - Right	.002	.015		Check pony rods for cracks and wear (replace if necessary)	<input type="checkbox"/>	
Crosshead Pin Bearing - Left	.002	.005				
Crosshead Pin Bearing - Center	.002	.005		Check piston rods for cracks and wear (replace if necessary)	<input type="checkbox"/>	
Crosshead Pin Bearing - Right	.002	.005				
Connecting Rod to Eccentric Bearing - LH	.002	.020		Check clamps for wear (replace if necessary)	<input type="checkbox"/>	
Connecting Rod to Eccentric Bearing - CTN	.002	.020				
Connecting Rod to Eccentric Bearing - RH	.002	.020		Check all bearings w/ mirror for pitting and flaking	<input type="checkbox"/>	
Oil Pump Pinion to Main Gear - Backlash	.010	.025				
Pinion Shaft to Main Gear - Backlash	.010	.050		Check all oil pump screens	<input type="checkbox"/>	
Bull Gear Wear				Check pillow block bearings on independent pump	<input type="checkbox"/>	
Pinion Gear Wear						
Extension Rods				On inspection replace pony rod seals (Regardless if the rig says they have already been changed seals still need to be checked) replace gaskets if need do not use silicone unless need to fill a void. (do not use to excess because it gets into gear end)	<input type="checkbox"/>	
Comments:						
National		Gardner Denver		Continental Emsco		
Check troughs	<input type="checkbox"/>	Oil pressure and Gauge	<input type="checkbox"/>	Oil pressure and Gauge	<input type="checkbox"/>	
Check crosshead's for cracks at pony rod clamp	<input type="checkbox"/>	Oil Filter	<input type="checkbox"/>	Check pony rod wiper if equipped if not equipped with wipers get parts to correct	<input type="checkbox"/>	
		Oil spray bar for crossheads	<input type="checkbox"/>			
Check pony rod clamp on bolts on crosshead's	<input type="checkbox"/>	Check to see if correct pony rods are installed by gauging distance between it and oil stop plate.	<input type="checkbox"/>	Check to see if baffle plates are doweled in pump	<input type="checkbox"/>	
Loosen pony rod clamp bolts and tighten pony rod then retorque bolts	<input type="checkbox"/>					
		Oil pump Screen	<input type="checkbox"/>			
		If new floaters are not there get parts to install floating seals	<input type="checkbox"/>			
Action Items:						

YOU NEED TO HAVE SIGNATURE'S AND TIME FILLED OUT ON FIRST PAGE

Rig: 122

Date: 9/28/2014

Scheduled Rig Inspection Check List

Air Hoist:

- Check oil in air motor.
- Check grease in gear case.
- Grease throttle valve.
- Check brake system for wear.
- Check cable for fraying.

#1 ASSET 27-
 #2 ASSET 27-
 #3 ASSET 27-

Comments:

hyd winches

Blocks:

- Check grooves for wear.
- Check smoothness of roll.
- Check for play in bearings.
- Ensure bolts are in place.
- Grease all zerks.

ASSET # 5- 167
 ASSET # 67-
COMBO

Comments:

Brakes:

Hydromatic Brakes:

- Jack bearings.
- Inspect couplings. DS _____
- Grease all zerks.

ASSET # 66-
 ODS _____

Comments:

Electric Brakes:

Electric Brake Only:

- Inspect plumbing (must meet Unit Drillings Specifications) Note: contact the maintenance department for instructions.
- Take air gap reading. Reading: _____
- Ensure brass shifting collars suspend off of sleeve OD.
- Ensure vents are in place and clean.
- Grease all zerks.
- Inspect bearing clearance DS _____ ODS _____

66-

Comments:

Eaton Brake Only:

66- n/a

- Grease all zerks.
- Inspect bearing clearance DS 0.007 ODS 0.007
- Check gap between reaction plates Reading: 0.505 Y gap 2.72 Z gap 2.72
- Record Quantity of discs Number of discs 3
- Check Eaton Brake Temp Gauges Drillers Console x At the Brake x
- Function brakes Auto Safety System

Follow Eaton & Hydraulic Weekly Check Sheet

Tolerances:

Test with 25 psi of air pressure

Disc Size	Qty of WC Discs	X new	X max (Adjustment)	Y new	Y min	Z new	Z min
36	1	0.12	0.54	2.75	2.31	—	—
	2	0.24	0.66	2.75	2.31	—	—
	3	0.36	0.78	2.75	2.31	2.75	2.31
	4	0.48	0.90	2.75	2.31	2.75	2.31

Comments:

recommend this rig be the next to get gen 2 brake handle/missing asset tag on brake

Dry Cooler:

78- 385

- Flush Dry Cooler
- Clean Strainer
- Check water Pressures Inlet _____ Outlet _____

Drawworks:

Drum Shaft:

ASSET # 15- 161

- Grease all zerks. Change all filters and clean screens.
- Inspect oil lines. Check oil level & oil quality. Clean pickup screens.
- Inspect clutches for wear and air pressure.
- Inspect tight member teeth for wear and grease.

Jack bearing readings

- DS 0.011
- ODS 0.01
- Other high drum ods .008
- Other low drum ds .007
- Other _____

Comments:

had to remove low drum to repair guard that was damaged when chain broke. Repaired greas zerks

Brake Linkage:

15- 161

- Grease all zerks and insure linkage is tight.
- Inspect break bands for cracks and wear.
- Check brake block bolts and ensure bolts are tight.
- Check brake block thickness, record **thinnest** block measurement. DS 8-May ODS 15/16
- MPI Inspection on brake Linkage (brake bands, slack adjusters, equalizer without removal).

Comments:

one set of pads were wearing at an angle due to adjustment needed changing

Input Shaft:

Inspect for leaking seals.

15- 161

Jack bearing readings

<input checked="" type="checkbox"/>	DS	0.009
<input checked="" type="checkbox"/>	ODS	0.007
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	

Comments:

repaired grease zerks

Output Shaft:

Grease all zerks and inspect oil system.

Jack bearing readings

<input checked="" type="checkbox"/>	DS	0.008
<input checked="" type="checkbox"/>	ODS	0.008
<input checked="" type="checkbox"/>	Other	low trans sprocket .015
<input checked="" type="checkbox"/>	Other	high trans sprocket .015

Comments:

repaired grease zerks

Rotary Counter Shaft:

Grease all zerks and inspect oil system.

Jack Bearings (Findings)

<input checked="" type="checkbox"/>	DS	0.005
<input checked="" type="checkbox"/>	ODS	0.004
<input type="checkbox"/>	Other	chain garn in .004
<input type="checkbox"/>	Other	chain guard out .005
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Other	

Comments:

Cat Shaft:

Grease all zerks and inspect oil system.

Grease cathead with 4 shots of grease.

Jack bearing readings

<input type="checkbox"/>	DS	hyd cat heads	ASSET # MU	68- n/a
<input type="checkbox"/>	ODS	no cat shaft	ASSET # BO	68- n/a
<input type="checkbox"/>	Other			
<input type="checkbox"/>	Other			

Compound:

15- 161

Engine shafts:

#1 DS _____ #1 ODS _____
 #2 DS _____ #2 ODS _____
 #3 DS _____ #3 ODS _____

Pump drive shaft:

#1 DS _____ #1 ODS _____
 #2 DS _____ #2 ODS _____

Pump sheave shaft:

#1 DS _____ #1 ODS _____
 #2 DS _____ #2 ODS _____

- Grease all zerks and inspect oil system.
- Inspect all chains for wear.
- Ensure all oil pumps are working properly.
- Change all filters and clean screens.

Comments:

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Hook:

ASSET # 28- _____

- Check oil in snubber.
- Grease all zerks.
- Visually check for cracks or wear.
- Rotate hook and feel for smoothness of roll.
- Ensure lock is working properly.

ASSET # 67- _____
 COMBO

Comments:

top drive no hook

Kelly Spinner:

- Run spinner and check bearings.
- Ensure air pressure is 90 PSI.
- Grease all zerks.

ASSET # 69- _____

Comments:

top drive

Mud Pumps:

- Fill out pump inspection report.
- Check piston rods and replace if worn.
- Check rod clamps and replace if worn.

ASSET # #1 38- 491 _____

ASSET # #2 38- 492 _____

ASSET # #3 38- _____

Comments:

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Independent Pump Drive #1:

- Inspect belts and sheave grooves for wear.
- Inspect chains and chain sprockets for wear.
- Inspect clutch and clutch drum.
- Check air lines and record PSI.
- Record bearing play on engine side of shaft.
- Record bearing play on pump side of shaft.

PSI _____
 Reading _____
 Reading _____

Comments

Independent Pump Drive #2

- Inspect belts and sheave grooves for wear.
- Inspect chains and chain sprockets for wear.
- Inspect clutch and clutch drum.
- Check air lines and record PSI.
- Record bearing play on engine side of shaft.
- Record bearing play on pump side of shaft.

PSI _____
 Reading _____
 Reading _____

Comments:

Over running clutch:

- Roll clutch and check oil.
- Check seals for leaks. Note: identify leak found in comments section.)
- Service clutch and grease splines.
- Changed Oil

Comments:

Pipe Spinners:

- Ensure Spinner is hung level with drill pipe.
- Inspect drive chains and rollers for wear. (clean if necessary)
- Grease all zerks and check hanger spring.

ASSET # 41- _____

Comments:

Rotary Table:

- Pull top off and wash mud out of table. ASSET # 44- 279
- Inspect through bore.
- Record main bearing play. Reading 0.01
- Record pinion bearing play. Reading 0.005
- Record backlash play in gears. Reading 0.008
- Check quality of oil

Comments:

rig didn't pull off top and wash prior to rig move

Swivel:

- Clean mud accumulation around top seals and install mud guard. ASSET # 50-
- Roll check swivel for smoothness of roll.
- Record endplay readings. Radial run out. Reading _____
- Check quality of oil

Comments:

canrig top drive intergrated swivel

Crown:

- Inspect grooves for wear. ASSET # 10- 122
- Check for play in bearings.
- Check for smoothness of roll.
- Grease all zerks.

Comments:

Fail Safe System:

- Test System

ST-80

Comments

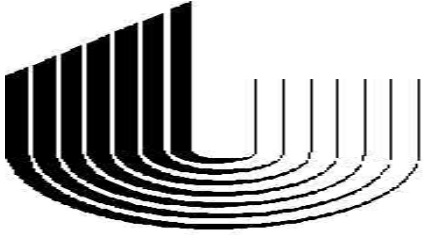
- Test operation & check leaks _____
- Perform ST-80 Inspection Form _____
- Service ST-80 HPU _____

HPU

Comments

- Run HPU & check leaks _____
- Change all filters _____

Insure Rig Manager knows to change HPU oil once a year



RIG 122

Engine Inspection

NAME broken arrow field services

Work Order No. _____

JOB TITLE mechanic

DATE MAINTENANCE STARTED: 9/17/2014

COMPLETED 9/18/2014

EQUIPMENT DESCRIPTION: gensets

SERIAL NUMBER: _____

Travel Time to Rig _____ FROM: HOME SHOP

Time from Rig _____ FROM: HOME SHOP

Time at Rig: _____

ASSET # :

#1 Engine 22-1478

#1 Gen. 24-965

#2 Engine 22-1477

#2 Gen. 24-964

#3 Engine 22-1476

#3 Gen. 24-963

Other _____ engine

Asset # _____ Position

_____ gen

Asset # _____ Position

Other _____ engine

Asset # _____ Position

_____ gen

Asset # _____ Position

Other _____ engine

Asset # _____ Position

_____ gen

Asset # _____ Position

Other _____ engine

Asset # _____ Position

_____ gen

Asset # _____ Position

ACTON ITEMS

Scheduled Engine Inspections

Rig: 122

Antifreeze: Red Green

Date: 9/18/2014

Freeze point: _____

Engine Position: 1

If antifreeze is green test the NA-Cool level

Make: cat

Model: 3512c

Serial Number: lla2585

For 3512's: Radiator pass -45

Asset Number: 22-1478

Hours: 18236

Aftercooler pass -45

- Tighten pan bolts on D-379, 398, 399.
- Ensure D-3508 and D-3512 individual gauge panels has been silicone to prevent water entry.
- Clean water passages on water cooled turbos (one time only).
- Run overhead valvetrain.
- Grease fan hub bearings and idler bearings.
- Inspect and clean radiators. Note: Wash in oppisite direction of air flow. (You should be able to see clearly through the radiators fins.)
- Test shutdown system and install new belts.
- Check and clean auxiliary oil filter.
- Make sure crank case filters are being serviced (on 3508,3512).

Record belt #'s, radiator fan brg., idler brg., shaft size, and pulley sizes.

Generator position: 1 Torque converter _____

Make: kato Oiler chain _____

Model: aa27673013 Clutch size _____

Asset Number: 24-965 Hrs since last P.M. _____

KW: 1204 RPM: _____
2-BRG

Review service procedures for engines with rig personell.

- Grease and inspect for wear.
- Clean generator and blow out if necessary.

Check and Grease Drive Couplings, Plug and Remove all Grease Fittings, Install New Rubbers and O-Ring Yearly!!!,
(3)7L-5589 Rubber, (1) 9H846 O-Ring, (3) Tubes 5N5561 Compound Rubber Coupling,

Comments:

everything looked good

Scheduled Engine Inspections

Rig: 122

Antifreeze: Red Green

Freeze point: _____

Date: 9/18/2014

If antifreeze is green test the NA-Cool level

Engine Position: 2

Make: cat

Model: 3512c

Serial Number: lla2584

Asset Number: 22-1477

Hours: 18441

For 3512's: Radiator pass-42

Aftercooler pass-42

- Tighten pan bolts on D-379, 398, 399.
- Ensure D-3508 and D-3512 individual gauge panels has been silicone to prevent water entry.
- Clean water passages on water cooled turbos (one time only).
- Run overhead valvetrain.
- Grease fan hub bearings and idler bearings.
- Inspect and clean radiators. Note: Wash in oppisite direction of air flow. (You should be able to see clearly through the radiators fins.)
- Test shutdown system and install new belts.
- Check and clean auxiliary oil filter.
- Make sure crank case filters are being serviced (on 3508,3512).

Record belt #'s, radiator fan brg., idler brg., shaft size, and pulley sizes.

Generator position: 2 Torque converter _____

Make: kato Oiler chain _____

Model: aa27673013 Clutch size _____

Asset Number: 24-964 Hrs since last P.M. _____

KW: 1204 RPM: _____
2-BRG

Review service procedures for engines with rig personell.

- Grease and inspect for wear.
- Clean generator and blow out if necessary.

Check and Grease Drive Couplings, Plug and Remove all Grease Fittings, Install New Rubbers and O-Ring Yearly!!!,
(3)7L-5589 Rubber, (1) 9H846 O-Ring, (3) Tubes 5N5561 Compound Rubber Coupling,

Comments:

pulled expansion joint to muffler and had welder repair crack, everything looked good

Scheduled Engine Inspections

Rig: 122

Antifreeze: Red Green

Freeze point: _____

Date: 9/18/2014

If antifreeze is green test the NA-Cool level

Engine Position: 3

Make: cat

Model: 3512c

Serial Number: lla2585

Asset Number: 22-1476

Hours: 17795

For 3512's: Radiator pass-38

Aftercooler pass-38

- Tighten pan bolts on D-379, 398, 399.
- Ensure D-3508 and D-3512 individual gauge panels has been silicone to prevent water entry.
- Clean water passages on water cooled turbos (one time only).
- Run overhead valvetrain.
- Grease fan hub bearings and idler bearings.
- Inspect and clean radiators. Note: Wash in oppisite direction of air flow. (You should be able to see clearly through the radiators fins.)
- Test shutdown system and install new belts.
- Check and clean auxiliary oil filter.
- Make sure crank case filters are being serviced (on 3508,3512).

Record belt #'s, radiator fan brg., idler brg., shaft size, and pulley sizes.

Generator position: 3 Torque converter _____

Make: kato Oiler chain _____

Model: aa27673013 Clutch size _____

Asset Number: 24-963 Hrs since last P.M. _____

KW: 1204 RPM: _____
2-BRG

Review service procedures for engines with rig personell.

- Grease and inspect for wear.
- Clean generator and blow out if necessary.

Check and Grease Drive Couplings, Plug and Remove all Grease Fittings, Install New Rubbers and O-Ring Yearly!!!,
(3)7L-5589 Rubber, (1) 9H846 O-Ring, (3) Tubes 5N5561 Compound Rubber Coupling,

Comments:

pulled expansion joint to muffler and had welder repair crack, everything looked good

Scheduled Engine Inspections

Rig: 122

Antifreeze: Red Green

Freeze point: _____

Date: 9/18/2014

If antifreeze is green test the NA-Cool level

Engine Position: _____

Make: _____

Model: _____

For 3512's: Radiator _____

Serial Number: _____

Asset Number: _____

Aftercooler _____

Hours: _____

- Tighten pan bolts on D-379, 398, 399.
- Ensure D-3508 and D-3512 individual gauge panels has been silicone to prevent water entry.
- Clean water passages on water cooled turbos (one time only).
- Run overhead valvetrain.
- Grease fan hub bearings and idler bearings.
- Inspect and clean radiators. Note: Wash in oppisite direction of air flow. (You should be able to see clearly through the radiators fins.)
- Test shutdown system and install new belts.
- Check and clean auxiliary oil filter.
- Make sure crank case filters are being serviced (on 3508,3512).

Record belt #'s, radiator fan brg., idler brg., shaft size, and pulley sizes.

Generator position: _____ Torque converter _____

Make: _____ Oiler chain _____

Model: _____ Clutch size _____

Asset Number: _____ Hrs since last P.M. _____

KW: _____ RPM: _____
2-BRG

Review service procedures for engines with rig personell.

- Grease and inspect for wear.
- Clean generator and blow out if necessary.

Check and Grease Drive Couplings, Plug and Remove all Grease Fittings, Install New Rubbers and O-Ring Yearly!!!,
(3)7L-5589 Rubber, (1) 9H846 O-Ring, (3) Tubes 5N5561 Compound Rubber Coupling,

Comments:

Scheduled Engine Inspections

Rig: 122

Antifreeze: Red Green

Freeze point: _____

Date: 9/18/2014

If antifreeze is green test the NA-Cool level

Engine Position: _____

Make: _____

Model: _____

For 3512's: Radiator _____

Serial Number: _____

Asset Number: _____

Aftercooler _____

Hours: _____

- Tighten pan bolts on D-379, 398, 399.
- Ensure D-3508 and D-3512 individual gauge panels has been silicone to prevent water entry.
- Clean water passages on water cooled turbos (one time only).
- Run overhead valvetrain.
- Grease fan hub bearings and idler bearings.
- Inspect and clean radiators. Note: Wash in oppisite direction of air flow. (You should be able to see clearly through the radiators fins.)
- Test shutdown system and install new belts.
- Check and clean auxiliary oil filter.
- Make sure crank case filters are being serviced (on 3508,3512).

Record belt #'s, radiator fan brg., idler brg., shaft size, and pulley sizes.

Generator position: _____ Torque converter _____

Make: _____ Oiler chain _____

Model: _____ Clutch size _____

Asset Number: _____ Hrs since last P.M. _____

KW: _____ RPM: _____
2-BRG

Review service procedures for engines with rig personell.

- Grease and inspect for wear.
- Clean generator and blow out if necessary.

Check and Grease Drive Couplings, Plug and Remove all Grease Fittings, Install New Rubbers and O-Ring Yearly!!!,
(3)7L-5589 Rubber, (1) 9H846 O-Ring, (3) Tubes 5N5561 Compound Rubber Coupling,

Comments:

Scheduled Engine Inspections

Rig: 122

Antifreeze: Red Green

Freeze point: _____

Date: 9/18/2014

If antifreeze is green test the NA-Cool level

Engine Position: _____

Make: _____

Model: _____

For 3512's: Radiator _____

Serial Number: _____

Asset Number: _____

Aftercooler _____

Hours: _____

- Tighten pan bolts on D-379, 398, 399.
- Ensure D-3508 and D-3512 individual gauge panels has been silicone to prevent water entry.
- Clean water passages on water cooled turbos (one time only).
- Run overhead valvetrain.
- Grease fan hub bearings and idler bearings.
- Inspect and clean radiators. Note: Wash in oppisite direction of air flow. (You should be able to see clearly through the radiators fins.)
- Test shutdown system and install new belts.
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Record belt #'s, radiator fan brg., idler brg., shaft size, and pulley sizes.

Generator position: _____ Torque converter _____

Make: _____ Oiler chain _____

Model: _____ Clutch size _____

Asset Number: _____ Hrs since last P.M. _____

KW: _____ RPM: _____
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Comments:

UNIT DRILLING RIG 122 GENERAL LAYOUT

Last Revision: 1/13/2015

