

Husky Oil Operations

DATE: December 15, 2003

LOCATION:	Springcreek Compressor Station	LSD:	13-36-21-20 W3M
UNIT No:	1085	Rev. #	0
DELIVERY DATE:	December 15, 2003		
PROJECT STAFF:	Randy Wollms, Garth Pahl, Kevin Konshuh		
CUSTOMER CONTACT:	Dave Lamontange, Bower Damberger Rolseth Engineering Ltd. Phone No: (403) 270-1506 Fax No: (403) 270-2699		
DRIVER:	Waukesha L7042GL Ignition System Model: CEC	S/N:	C-13561/1
COMPRESSOR:	JGK4-3	S/N:	F-19177
Throw 1 & 3	Cylinder Lube Cycle Time: 24.5	USPPD at 11	SECS/cycle
Throw 2 & 4	Cylinder Lube Cycle Time: 16.3	USPPD at 11	SECS/cycle
COOLER:	Make: Air-X-Hemphill Model: 120EF-86-18	S/N:	36166A-9072
PANEL:	Make: Allen-Bradley Model: SLC5/04	S/N:	DE-09837-AA

DESCRIPTION	THROW 1	THROW 2	THROW 3	THROW 4
STAGE	1	2	N/A	N/A
BORE (IN.)	15.375	11.0	15.375	6.75
STROKE (IN.)	5.5	5.5	5.5	
CLASS	15 7/8K	11 K	15 7/8K	7 1/4K
MAWP (PSI)	635	845	635	1900
VVCP YES/NO	YES	YES	YES	YES
ROD TYPE STD/TC.	STD.	STD.	STD.	STD.
DIST. PC. YES/NO	NO	NO	NO	NO
SERIAL NO.	C-60349	C-60350	C-60351	C-60352
PACKING SYSTEM	Standard/Purge Gas STANDARD			

VALVE TAILOR				
SUCTION	B-2230-W	B-2451-S	B-2230-W	B-1957-U
MATERIAL	NYLON	NYLON	NYLON	NYLON
DISCHARGE	B-2231-DD	B-2452-AA	B-2231-DD	B-1935-BE
MATERIAL	MT	MT	MT	MT

DESCRIPTION	STAGE 1	STAGE 2	STAGE 3
DIAM. (IN.)	20	24	20
LENGTH S/S (IN.)	125	66	66
MAWP (PSI)	720	655	1315
MDMT (DEG. F)	-20	-20	-20
SERIAL NO.		1085S2	1085S3

PULSATION BOTTLES - SUCTION / DISCHARGE						
DIAM. (IN.)	24	20	24	20	18	16
LENGTH (IN.)	66	66	32	30	32	30
MAWP(PSI)	655	645	655	1292	1315	1650
MDMT (DEG. F)	-20	-20	-20	-20	-20	-20
SERIAL NO	1085P1	1085P2	1085P3	1085P4	1085P5	1085P6

PROVINCE(S) OF REGISTRATION	Yes/No	B.C.- NO	AB- YES	SASK- YES
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Dec 16/03 comp showed up today

Dec 18/03 started Comp starter was no good broken gear had to get starter from 12-2 Contion got running @ 6:00 A.M.

Dec 22/03 did hot alignment had to lift motor up a bit. set pre chamber reg to 6 1/2 PSI from 9 PSI motor starts good now.

FEB 3/04
@ 1042
HRS

CHANGE OIL + OIL FILTERS + INSPECT FAN OIL SCREEN

CHANGE WATER PUMP BELTS

DO COMPRESSION TEST + ADJUST VALVES

CHANGE OUT FUEL GAS FILTER

REPLACE SPARK PLUGS

INSPECT AIR FILTERS (OK)

MAR 31/04 MOVE BLADES TO 25° ON FAN

APRIL 21/04

CHANGE OIL FILTERS + FUEL FILTER + OIL (ENCLOSURE)

1755

CHANGE AIR FILTERS + INLET FILTERS

REPAIR INJECTION VALVE SUPPLY TUBE

SET FAN PITCH TO 15°

April 30/04

Changed air filters. (~~#8817~~) (8817)

May 26/04

- Main dump washed out (EL 20% plant shutdown.
- ESD closed on main pipeline to TransGas
ESD wouldn't open. Pronghorn out
changed solenoid & regulator. Regulator
was seized up would open. Replaced
regulator & opened. Plant running. SS.

June 2/04

cyl. #4 left running @ 260°C changed plug, running
@ 517°C now. plug #RS. (3653)

June 13/04

Changed inlet filters (3715 hrs)

JUNE 14/04

took Oil Sample (3938)

June 22/04

Changed RB#4 plug. (4141 hrs)

June 30/04

- Service Job, Pronghorn out for Shutdown checks
- all filters (NOT INLET FILTERS)
 - changed SL bank + SR bank spark plugs. (4320 hrs)
 - also SL exhaust lifter replaced. (4320 hrs)

July 14/04

- Replaced #5 right spark plug (4630)

Aug 20/04

Changed RL#1 spark plug. (5517) no spark

Aug 24/04

took Oil Sample. (5613 hrs)

~~SEP~~ SEPT 2/04 REPLACE AIR FILTERS CHANGE OIL & FILTERS
5530 HRS CHANGE PLUGS.

OCT 16/04 Replace Aux: Main Water Pump belts (6837)
Down 1 hr.

OCT 19/04 REPLACE #5L SPARK PLUG

OCT 20/04 changed cooler vibration sensor

NOV 14/04 CHANGE OUT #5 R SPARK PLUG.

NOV 15/04 SERVICE COMPRESSION TEST, VALVE LASH, START DOWNS
7551 HRS CHANGE ENG OIL & FILTERS, AIR FILTERS, & FINAL OIL FILTER
CHANGE OUT #4 LEFT SPARK PLUG

NOV 30/04 RB #4 Spark Plug. Changed plug. (7890 hrs)

Jan 3/05 #2 R plug changed.

JAN 10/04 Oil Sample 8826 hrs.

JAN 23/04 #4LB Plug changed (9138)

JAN 24/04 Service - Comp. Test. repair oil leaks. (9161)
Change Spark plugs. Eng. oil & filters & Final oil
Filter Prongham check oil sensor

Feb 24/05

Change spark plug on 2/R.
Spark plug hrs: 4059. Total hrs: 9842

March 20/05

Changed plug #4LB - 10332 hrs.

March 21/05

Changed plug #3LB - 10354 hrs.

April 08/05

Service, adjust valves, clean spark plugs, replace all filters, fan pitch set at 15°, final lube filter housing replaced. 10782 hrs on unit, 1666 oil hrs, 4999 hrs on spark plugs.

Apr. 22/05

Changed out valves and site glass on day tank for the coolant. Drained & replaced w/ new 50/50. Seemed to be alright.
Oil samples 1009 hrs.

May 21/05

June 1/05

Changed all spark plugs. hrs on plugs 6271 hrs.

June 9/05

Replace both RAD. CAPS. (15 lbs)

June 28/05

Service. Oil, filters + inlet filters changed. 13131 hrs.
* Need to change jackshaft belts.

July 17/05

Change Sp. Plugs 3, 5 + 6 left.

Aug 23/05

Change Sp. Plug + adm. valve 4 left.

Aug 12/05

Paneco change all engine + jack shaft + belts
Fixed new front crank oil seal.

Sept 11/05 SERVICE CHANGE OIL FILTERS
14639 hrs CHANGE AIR FILTERS
DO VALVE SETS
CHECK CRANKCASE OIL #3 L HEAD
TIGHTENED FAN BELTS
CHECKED ADMISSION VALVE & SPARK PLUG ON #2 R.

Sept 14/05 Loose wires on pyro's in box - 14924 hrs
Changed #3,5,6L plugs - Changed coil on #6L bank

SEPT 14/05 FIXED LOOSE WIRES ON #5L PYROMETER 14928 hrs
CHECKED ADMISSION VALVE #6L
" EXTENDER #6L

Sept 22/05 Panno out changed out Left Turbo -
Total hrs - 15111 hrs
Also changed lead, extender, and emission valve on #6L.

Sept 23/05 Change Sp Plug 6L.

Sep 26/05 Change pressure transmitter for right manifold pressure.

Oct 24 Took oil samples. 15816 T. hrs. 1189 Oil hrs.

Nov 6/05. Change all spark plugs. Adm valve & coil stem changed on #2 R.

Nov 7/05 changed vibration sensor on engine.

Nov 18/05. Service. change all filters. Did not do valve lash. Changed inlet filters real bad after inhibitor over flow. Fan pitch. done. 16360 hrs.

Jan 17/06

CHANGED #4 LEFT SPARK PLUG

Mar 15/06

Took oil samples 18825 T. hrs. Oil oil 968 hrs

April 19/06

Changed oil filter, Set fan pitch
changed inlet filter's Set fan pitch
hrs 19638.

Air filters

June 7/06

changed left turbo 20827 HRS.

June 23/06

CHANGED Plug, EXTENSION, COIL, Plug LEAD
ON #6L

21221 hrs

CHANGED = IGNITION BOX

- NUTS ON THROTTLE CONTROL ROD

- AIR FILTERS

JUNE 24/06

CHANGED ONE BAD COIL #4L & UPPER FUEL GAS PRESSURE

OPENED AIR SUPPLY TO COLD SIDE

IT WAS 1/2 WAY BETWEEN

JUNE 30/06* REPLACED #1R HEAD, PLUGS + MAIN/AUX

PUMP BENTS.

- Serviced Engine, all filters, inlet,
- Replaced #6L Lead - wasn't reading - wires?

last service - 1699 hrs Unit hrs - 21329 hrs.

Plugs hrs - 3310 hrs

July 22/06 Changed out water Pump : Belts (21836 hrs)
Down 7 hrs

SEPT 1/06 CHANGE OIL + FILTERS , AIR FILTERS
22801 HRS ~~CHANGED OUT PRESSURE CHAMBERS~~

SEPT 15/06 Changed LB#6 Spark plug ; admission Valve.
Changed - LB. Sensor. (Manifold)

SEPT 16/06 CHANGED ALL SPARK PLUGS ON LEFTSIDE

SEPT 17/06 UPPOD FUEL GAS PRESSURE IN DECK

Sept 25/06 Head swing - Total run hrs - 23347 , Changed all heads but
Spark-plugs - 2008 (#1 Right) head gaskets bad shape.
- Changed oil + filter in engine - Put new coolant in main system.
- Replaced stud in water pump.
- Replaced spark plugs -

OCT 4/06 CHANGED ALL SPARK PLUGS
HRS 23533 PUT IN WALKER'S PLUGS.

Nov 23/06 Changed All Post Tubes did complete oil
hr 24725 changed . did Valve lash .
air filter , fuel filter , coolant filter , inlet
filters . CHANGED FUEL FILTER
replace main ; aux. water pump belts,
Changed out 2nd Stage discharge pop Valve (Down)