Recommended Spare Parts List AC COMPRESSOR 7DB

Date: 6/12/02

Company: HUSKY OIL OPERATIONS

Job#: 991B

LSD: Morgan Site 2

QTY	PART#	DESCRIPTION	PRICE (EA)	ORDER
AC Comp	ressor Model 7DB S	N 4002-79656-1		•
1	16-136-760-802	*Rebuild Kit (Complete Seal)	\$ 2,946.25	
Premier L	ubricator	()		
1	91200	Lubricator Pump	\$ 214.00	
Vessel				
4	FG312	Peco Single Stage Filter	\$ 33.00	
Belts				
3	BEBX100	Good Year Belts	\$ 44.00	
1	BEALINK	A-Premier Griplink Browning Belt	\$ 30.00	
Viking Ge	ar Pump GX2 Series	115		
1	36500100780	Packing	\$ 32.00	
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Please feel free to contact our area sales representative or service co-ordinator at the phone numbers listed below for further information on parts and or pricing or to look over our preventative maintinance program.

Extra parts not listed above can be added below.

QTY	PART#	DESCRIPTION	PRICE (EA)	ORDER
1				_

Service Co-Ordintator: Jim Bedford Office #: 780-875-7638

TERMS:

GST & PST EXTRA WHERE APPLICABLE

PAYMENT NET 30 DAYS

PRICES IN EFFECT FOR 60 DAYS

F.O.B. WSS LLOYD

*Rebuild Kit consists of the following: 1 Blade Set, 2 Bearings, 2 O-Rings, 2 Cylinder Gaskets,

4 Seal Rings, 2 Bearing Shim Sets, 1 Seal Assy.



GE Power Systems Oil & Gas

RO-FLO Compressor **Lubrication Recommendation Sheet**



A-C Compressor

7DB Model:

Serial Number

4002-79655-1;79656-1 Proposal Number: 2 H 7427 Alt: 2

Sold To:

Waterflood Service & Sales User

Husky Oil

Destination: Morgan Field, Alberta Canad

For Natural Gas, Sweet

at 2.0 PSI Gauge and

60 F

inlet conditions.

Discharge Pressure

80.0 PSI

Gauge

, Discharge Temp

306 F

Speed 1292 RPM.

The following are the lubrication recommendations for the above described unit:

Oil Type:

В

Multiplier:

1.2

Oil Viscocity Grade:

SAE 50 (ISO VG 220)

Compressor Feed Rate:

3.00 Drops/min per feed (8000 drops/pint) wet type lubricator

5.00 Drops/min per feed (14000 drops/pint) dry type lubricator

Total Number of Feeds:

7

Total Oil Flow Rate:

0.14 Pints/hr

Pints/day

Suggested Brands:

Amoco 300 Series; Chevron Industial Oils EP; Chevron Delo 400 and Delo 100; Chevron RPM Heavy Duty Motor Oils; Citgo Citgard 500 or 600; Citgo Pacemaker Gas Engine Oil 700 or 1600*; Exxon XD-3*; Mobil Delvac 1200; Mobil Delvac 1300*; Phillips Super HDII; Phillips XDS*; Shell Rotella T;Shell Fire & Ice;Shell Mysella Oils;Texaco Geotex Gas Engine

Oil:Texaco Ursa Extra Duty:

* Previously type E super-detergent oils meeting API classifications SC,

SD, and CD with MS and DS additive packages.

Description:

Detergent plus additive package: Detergent, Antioxidant, Rust Inhibitor,

Antiwear Agent, Foam Inhibitor;

Meets API C or S category for four stroke engines (eg. CG-4) low to

medium ash;

Viscosity Index.....90-105; Pour Point......10°F or lower; Flash Point.....445°F or higher; Fire Point.....490°F or higher

Customer Notes:

Double the oil feed rate for the initial break-in period of 300 hours. Criteria for correct oil flow rate is pints per hour. Drops per minute info is for initial startup only! Please verify correct "pints per hour" flowrate after 24-48 hours of operation.

> Software Version: 3.0 Form No: 3016-843

01-24-2000



GE Power Systems

Oil & Gas

RO-FLO Compressor **Specification Sheet**



A-C Compressor

Purchaser:

Waterflood Service & Sales Ltd.

User:

Husky Oil

Destination:

Morgan Field, Alberta Canada

Proposal No.

2 H 7427

Purch. Ref.

PO 21410-911

Date:

4/25/2002

Application:

Sweet Natural Gas

Serial Number:

4002-79655-1;79656-1

Process Requirements

Sizing Alternate:

2

Gas Handled:

Natural Gas. Sweet

Gauge

100.0 % Water Saturated

Elevation:

2500 Feet

Atmospheric Pressure:

13.4 PSIA

Required Flow Rate:

208.3 m3/hr

ACFM

Inlet Conditions

122.6

Discharge Conditions

Pressure, at flange: Temperature:

2.0 PSI

F 60

Specific Gravity:

0.67 (M.W.= 19.40)

Ratio/specific heats Cp/Cv:

1.260

Pressure, at flange:

80.0 PSI

Gauge

Expected Performance

Compressor Type:

Single Stage

Drive Type:

Model:

7DB

Port Angle:

125 Degrees

Speed:

1292

RPM

HP

Gas Discharge Temperature:

306 F

36.4

m3/hr

ACFM

PSI

Cooling Water Temperature:

Cooling Water Rqmts (15FAT)

Direct

F 105

463

Actual Inlet Volume:

Required Power:

208.3

Discharge Pressure:

122.6 80.0

Gauge

Jacket Heat:

GPM

btu/min

Pressure Ratio:

6.06

Warnings:

Bearing Life is less than allowed minimum 30,000 hours.

Please Consult Factory

Guarantee Clause:

The Performance Guarantee on Volume and Brake Horsepower, or both (as indicated in first column) is subject to a tolerance of 5%.

Special Warranty Provision:

The Company shall not be responsible for damage caused by corrosion, carryover in the gas, or improper operation on the purchaser's part.

Verification of Conditions:

Expected Performance is based on the Process Requirements listed above. Customer is responsible for verifying the Process Requirements prior to accepting the Expected Performance.

Software Version: 3.0 Form No: 16S97778-1 10/11/2001



GE Power Systems Oil & Gas

A-C Compressor

A-C COMPRESSOR 3395 W. College Avenue Appleton, WI 54914

Rotary Parts Sales

Phone: 920-380-8006 Fax: 920-380-8028

Spare Parts List for your *Ro-Flo* compressor. Standard shipment lead time is 2-5 working days.

ITEM	DESCRIPTION	7D A-C PART NO 16-155-021-000	QUANTITY			
1	CYLINDER 125 DEG*	16-136-433-501	1			
2	CYLINDER HEAD*	16-435-615-005	2			
3	ROTOR SHAFT*	16-334-802-001	1			
4	BEARING SPACER RING	16-133-926-001	2			
5	ROTOR BLADES, SET OF 8	16-136-456-808	1 1			
6	CYLINDER HEAD GASKET	16-235-937-001	2			
7	BEARING SHIMS, SET	16-132-484-801	2			
8	ROLLER BEARING	16-235-971-014	2			
9	O-RING	16-235-921-002	2			
10	SEAL RING	16-140-876-003	4			
11	END COVER	16-235-927-007	11			
Seal A	KP MECH. SEAL ASSEMBLY	16-242-085-505	1			
ļ	LOCKING SLEEVE	16-132-846-001	1			
	SEAL REBUILD KIT	16-630-048-044	1			
	REBUILD KIT #1	16-136-760-802	1			
[REBUILD KIT #2	16-136-760-828	1 1			
	MAINTENANCE KIT	16-136-760-852	<u>1</u> 1			
Rebuild Kit #1 consists of the following: 1 Blade Set, 2 Bearings, 2 O-Rings, 2 Cylinder Gaskets,						
<u></u>	4 Seal Rings, 2 Bearing Shim Sets, 1 Seal Assy.					
Rebuild	Rebuild Kit #2 consists of the following: 1 Blade Set, 2 Bearings, 2 O-Rings, 2 Cylinder Gaskets					
<u> </u>	4 Seal Rings, 2 Bearing Shim Sets, 1 Seal Assy.					
Mainten	Maintenance Kit consists of the following: 1 Blade Set, 2 Cylinder Gaskets, 2 Seal Rings					

^{*}Consult factory for shipment lead time.

See A-CCC Installation, Operation & Maintenance Manual, CCX0064, for recommended maintenance intervals.





