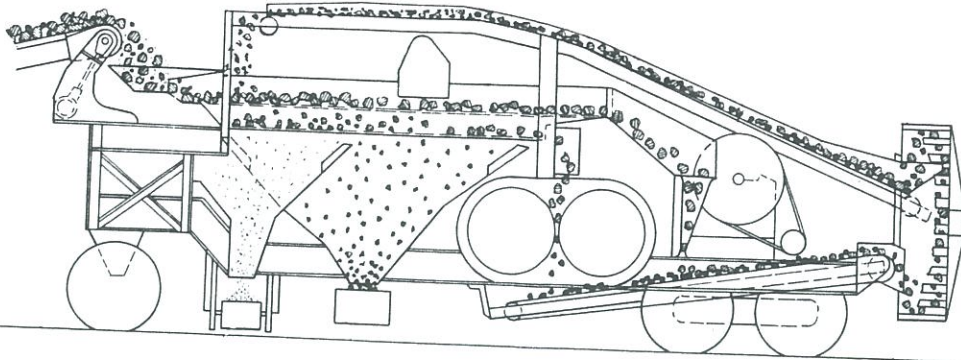


Cedarapids

PORTABLE CRUSHING & SCREENING PLANTS

MASTER TANDEM

Serial # 8692



Flow Diagram

Note: See detailed lubrication charts on specific units involved

PART

TEXACO LUBRICANT
RECOMMENDED

- Gear Drive Boxes
- Open Chains
- Enclosed Chains
- Power Unit
- Crankcase
- Water Pump (if shaft seal)
- Clutch bearings
- Other grease fittings
- Air Cleaner, etc.
- Truck-Wheel Bearings
- Hammermill (if furnished instead of Roll Crusher)
- Bearings

Above 32°F
Pinnacle Cyl. Oil
Rinse with fuel oil
Texaco Motor Oil SAE 30

Below 32°F

Ursa Oil X★★
Texaco Water Pump Grease
Marfak Heavy Duty No. 2
Marfak No. 0
Ursa Oil X★★
Marfak Heavy Duty No. 2

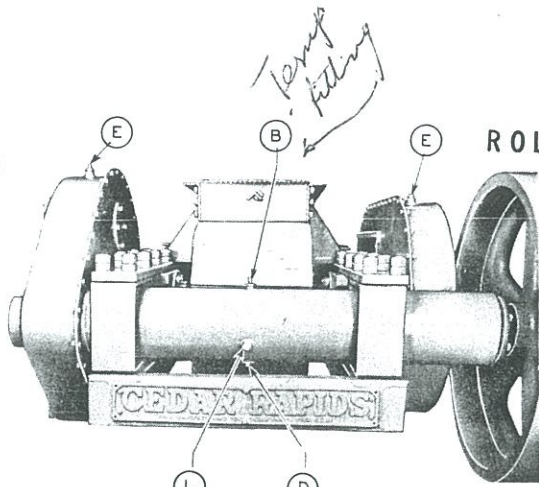
Ursa Oil X★★
Marfak No. 00
Ursa Oil X★★

Marfak No. 0

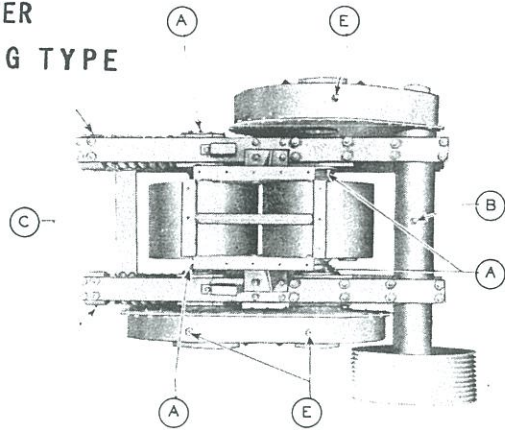
Marfak No. 00

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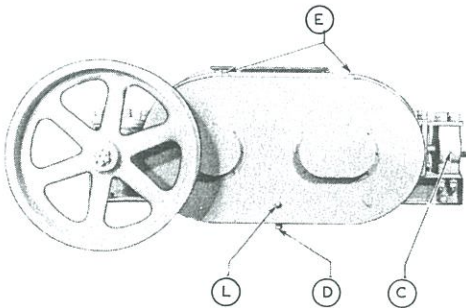
ROLL CRUSHER ROLLER BEARING TYPE



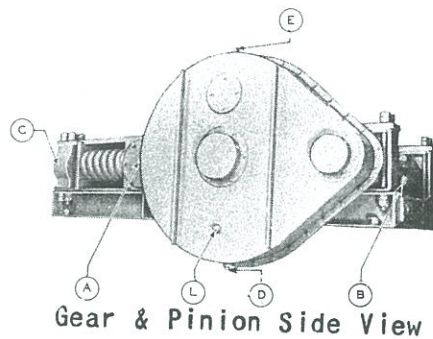
End View at Countershaft



Top View



Finger Timing Side View



Gear & Pinion Side View

SYMBOL

PART

INSTRUCTIONS

**TEXACO LUBRICANT
RECOMMENDED**

| | | | |
|---|-------------------------------|--|--|
| A | <i>Roll Shaft Bearings</i> | <p>Change every 1000 hours or seasonally: Remove cap screw at bottom of bearing housing. Every 48 hours remove fill plug, insert grease fittings, inject 8 oz. of grease in each bearing being sure that grease extrudes from the labyrinth seal to insure effective dust seal; replace fill plug.</p> | <p>Above 90° 32-90°F 0 to 32°F Below 0°</p> <p>Marfak No. 1 Marfak No. 0 Marfak No. 00 Regal Starfak No. 2</p> |
| B | <i>Counter Shaft Bearings</i> | <p>Every 48 hours: Temporarily install grease fitting at "B" or pour in heated lubricant until it flows from lubricant level opening "L".</p> | <p>Marfak No. 00</p> |
| C | <i>Tension Spring Bolts</i> | <p>Every 48 hours</p> | <p>Marfak No. 0</p> |
| D | <i>Drain Plugs</i> | <p>Every 1000 hours: Drain at "D", flush and refill with recommended lubricant.</p> | <p>Flush with Texaco Motor Oil SAE 10</p> <p>Refill with recommended lubricant</p> |
| E | <i>Gears, Enclosed</i> | <p>Every 8 hours: Check lubricant level.</p> <p>Every 1000 hours or seasonally: Drain, flush and refill.</p> | <p>Above 32°F Crater No. 0 Below 32°F Crater No. 00</p> <p>Flush with fuel oil Refill with Crater</p> |
| | <i>Level Plugs</i> | <p>Every 8 hours: Check lubricant level.</p> | |

JOZF
 ENGINEERING
 PRODUCTION
 MATERIAL CONTROL
 COST DEPT.
 INSPECTION

ERECTOR PARTS LIST #2866L
 FOR STANDARD MASTER TANDEM - AIR BRAKES

| DWG. NO. | PAT. NO. | DESCRIPTION | REQ. | WT. | MA |
|-----------|----------|---|------|-----|----|
| F-4000M1 | | Roll assembly | | | |
| F-2866G | | Air brake hook up on walking beam | | | |
| H-A1762 | | Air brake piping hook up (use with 2866G) | | | |
| F-2866U4 | | Jib crane assembly | | | |
| F-2866C8 | | Propellar shaft assembly | | | |
| H-2866F10 | | Idler support frame & assembly - roll drive | | | |
| F-3100B | | Screen drive unit assembly | | | |
| F-2866H19 | | Swivel gear box assembly - feed conveyor | | | |
| Q-2866H37 | | Feed conveyor pivot assembly - feed conveyor L.S. | | | |
| Q-2866H38 | | Feed conveyor pivot assembly - feed conveyor R.S. | | | |
| H-2008A | | Spiral gear box assembly - conveyor drives | | | |
| H-2009E | | 19T Miter gear box assembly - conveyor drives | | | |
| H-2009F | | 19T Miter gear box assembly - return conveyor drive | | | |
| F-1334M4 | | Feed conveyor erection dwg. | | | |
| F-1334N | | Delivery conveyor erection dwg. | | | |
| H-2866M11 | | V-belt idler assembly- feed conveyor drive | | | |
| H-2866K1A | | V-belt idler assembly - reject conveyor drive | | | |
| H-3500B | | Raff wheel shaft assembly | | | |
| Q-A2003G | | Roll countershaft assembly | | | |
| Q-A2003E | | Reject conveyor & Raff wheel drive assembly | | | |
| F-A2003F | | Raff wheel & reject conveyor drive assembly | | | |
| H-A2003CC | | Feed, delivery & sand conveyor drive | | | |
| H-A2003D | | Roll & screen drive | | | |
| F-A2003A | | Main plant assembly | | | |

ENGINEERING
STOCK ROOM
MATERIAL CONT.
PRODUCTION
COST DEPT.
INSPECTION
SHOP

INDEX OF PARTS LIST FOR
BY

| DWG. NO. | PAT. NO. | DESCRIPTION | REQ. | QTY. |
|-------------------|-------------|--|------|------|
| PARTS LIST NUMBER | LIKE SERIAL | NAME | | |
| 2866ZF | 580 53 | ERECTOR PRINT | | |
| 4025AA | 7350 | 4022 ROLL CRUSHER | | |
| 2866AE | 1302 | TRUCK (TIRES BY IOTA MFG. CO.) | | |
| 2866QA | 7350 | AIR BRAKES - 17-1/4" x 3" BENDIX FOR REAR WHEELS | | |
| 2866BM | 5330 | ACCESSORIES | | |
| 2866V | 7350 | JIB CRANE | | |
| 1036VC | 6230 | 1036 ROLLER BEARING CRUSHER | | |
| 2866CH | 5092 | COUNTERSHAFT - 1036 DRIVE FROM LOWER UNIT @ 950 R.P.M. | | |
| 2866FC | 5071 | V-BELT IDLER - ROLL DRIVE | | |
| 3103PB | 6230 | 48" x 15'0" CEDAR RAPIDS VIBRATOR SCREEN | | |
| 3103PC | 6102 | 48" x 12'0" CEDAR RAPIDS VIBRATOR SCREEN - OPPOSITE HAND DRIVE | | |
| 2866LC | 5330 | SCREEN DRIVE & IDLER - 4" x 12'0" CEDAR RAPIDS SCREEN | | |
| 1334MD | 7320 | 30" x 50'0" FEED CONVEYOR | | |
| 2866HE | 7374 | CONVEYOR DRIVE - 30" FEED CONVEYOR | | |
| 2008AD | 5074 | SPIRAL BEVEL GEAR DRIVE - 3.54:1 RATIO FEED CONVEYOR | | |
| 2002AB | 5319 | 19T MITER GEAR BOX ASSEM. 30" FEED CONVEYOR DRIVE | | |
| 2866ME | 6171 | V-BELT IDLER FOR FEED CONVEYOR DRIVE | | |
| 2833HJ | 8352 | 30" RECIPROCATING FEEDER | | |
| 1334NB | 7374 | 30" x 50'0" ANTI-FRICTION PORTABLE DEL. CONVEYOR SHAFT DRIVES | | |
| 2008AA | 5074 | SPIRAL BEVEL GEAR DRIVE 3.54:1 RATIO DELIVERY CONVEYOR | | |
| 2866NC | 5671 | V-BELT IDLER - DELIVERY & RETURN CONVEYOR DRIVES | | |
| 2866DG | 7352 | 24" x 25'0" RETURN CONVEYOR | | |
| 2008AA | 5074 | SPIRAL BEVEL GEAR DRIVE 3.54:1 RATIO RETURN CONVEYOR | | |
| 2009F | 5126 | 19T MITER GEAR BOX ASSEMBLY ON TRACK RETURN CONVEYOR | | |
| 2866ED | 7400 | 24" x 14'3" REJECT CONVEYOR | | |
| 2866KA | 6171 | V-BELT IDLER FOR REJECT CONVEYOR DRIVE | | |
| 3500CB | 6162 | 91" x 20" RAFF WHEEL | | |
| 2866J | 6782 | V-BELT IDLER FOR RAFF WHEEL DRIVE | | |
| 2008AA | 5074 | SPIRAL BEVEL GEAR DRIVE 3.54:1 RATIO SAND CONVEYOR | | |
| 2866GF | 7374 | 18" x 30' CHANNEL TYPE SAND CONVEYOR | | |
| 2866NB | 5121 | AUXILIARY MOUNTERSUPPORT FOR ME-6 | | |