

ENGINEERING INSTRUCTION

EI No: **EI 106**

Title: **HYDRAULIC PRESSURE SETTINGS**

| PRESSURE SETTINGS (BAR) CYCLE TIME 23 – 26 SECONDS | | | | | | | | | | | | |
|---|---------------------------------|---------------|-------------------|----------------|---------|---------------|---------------|---------------|-------------------|-----------------------|--|-------|
| MODEL | MAIN RELIEF | BARRIER DUMP* | BARRIER DUMP IV\$ | PACK | PACK \$ | BARRIER EJECT | | | COMPACTION RELIEF | BARRIER RETRACT | HOPPER DOWN | SWEEP |
| | | | | | | LOW PRESSURE | HIGH PRESSURE | HIGH PRESSURE | | | | |
| PH600 | 155-160 | 145-150 | NA | 230 | NA | 140 | 220 | 140 | NA | 200 | 80 | 330 |
| | 225-230 | 215-220 | | | | 140 | | | | | | |
| PH800 | 225-230 | 215-220 | NA | 230 | NA | 140 | 140 | 140 | NA | MONSUN AS MAIN RELIEF | 80 | 330 |
| | 225-230 | 215-220 | | | | 140 | | | | | | |
| | 225-230 | 215-220 | | | | 140 | | | | | | |
| 2M | 205-210 (225-230 ZOELLER) | 195-200 | 165 | 230 | 175 | 100 | 100 | 100 | NA | NORD 200 | 80 | 330 |
| | 225-230 | 215-220 | 180 | | | 160 | 160 | 160 | | | | |
| | 225-230 | 215-220 | 180 | | | 140 | 140 | 140 | | | | |
| | 225-230 | 215-220 | 180 | | | 140 | 140 | 140 | | | | |
| | 225-230 | 215-220 | 180 | | | 140 | 140 | 140 | | | | |
| PHOENIX | 225-230 | 215-220 | 180 | 230 | 190 | 160 | 160 | 160 | NA | NORD 200 | 80 | 330 |
| | 225-230 | 215-220 | 180 | | | 160 | 160 | 160 | | | | |
| | 225-230 | 215-220 | 180 | | | 160 | 160 | 160 | | | | |
| 8-11 | 225-230 | 215-220 | NA | AS MAIN RELIEF | NA | 195-200 | 195-200 | 195-200 | NA | AS MAIN RELIEF | 145-150 NOTE: TIME TO LOWER 20 SEC. MINIMUM | 350 |
| | 270-275 | 215-220 | NA | | | 225-230 | 225-230 | 225-230 | | | | |
| | 305-310 | 215-220 | NA | | | 225-230 | 225-230 | 225-230 | | | | |
| 8-11-17 10-14 | 225-230 | 215-220 | NA | AS MAIN RELIEF | NA | 195-200 | 195-200 | 195-200 | NA | AS MAIN RELIEF | 145-150 NOTE: TIME TO LOWER 20 SEC. MINIMUM | 350 |
| | 245-250 | 215-220 | NA | | | 225-230 | 225-230 | 225-230 | | | | |
| | 275-280 | 215-220 | NA | | | 225-230 | 225-230 | 225-230 | | | | |
| 10-14 HIGH PRESSURE | 275-280 | 235-240 | 215-220 | AS MAIN RELIEF | NA | 195-200 | 195-200 | 195-200 | NA | AS MAIN RELIEF | 145-150 NOTE: TIME TO LOWER 20 SEC. MINIMUM | 350 |
| | 275-280 | 215-220 | 215-220 | | | 225-230 | 225-230 | 225-230 | | | | |

*SET 10 BAR BELOW PACK PRESSURE BUT NOT TO EXCEED PRESSURE STATED
NOTE: VALUES WITHOUT TOLERANCE ARE FIXED CARTRIDGE SETTINGS RATED AT 20L/MIN. ADD 10 BAR FOR VALUES AT NORMAL FLOW

| | | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
| Issue: | 19 | 20 | 21 | 22 | 23 | 24 | Sheet |
| Issue date: | 22-01-07 | 22/09/10 | 19/07/11 | 25/07/11 | 1/9/14 | | |
| Originator's signature: | RL | SN | RL | RL | RL | | 1 of 5 |
| Approval signature: | RML | RL | RL | RL | RL | | |

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| PRESSURE SETTINGS (BAR) CYCLE TIME 23 – 26 SECONDS | | | | | | | | | | | | |
|--|---------------------------|---|--|----------------|--------------------|---------------|-----------------|-------------|-------|----------------------------|--------|--|
| MODEL | MAIN RELIEF | BARRIER UNLOAD | BARRIER RETENT ION | PACK | HOPPER LIFT RELIEF | BARRIER EJECT | BARRIER RETRACT | HOPPER DOWN | SWEEP | Cycle time | | |
| | | | | | | | | | | 17-19s | 19-21s | |
| TWIN PACK 14 | LH NARROW BODY | 85-90 | N/A | 100 | 170-175 | 140 | | | 330 | | | |
| | RH WIDE BODY | 185-190 | N/A | AS MAIN RELIEF | | 140 | | | | | | |
| XM | 9 11 13 15 17 | 245-250 | | 210 | | 120 | | | | | | |
| | | 265-270 | 185-190 | N/A | | | 200 | 80 | | | | |
| | | TERBERG | 160-165 | N/A | 185 | | | | | Sweep (Adjustable) 140-160 | | |
| | | G | 155-160 | N/A | 175 | | 125 | | | PACK 280 | | |
| | | ZOELLER OTTO | 165-175 | N/A | 190 | | | | | | | |
| EXCELL | 9 11 13 15 17 | 245-250 | | 210 | | 140 | | 80 | 330 | | | |
| | | | 190 | N/A | AS MAIN RELIEF | 205-210 | 140 | | 80 | 330 | | |
| EXCELL (HP) | LH NARROW BODY | 190 | N/A | AS MAIN RELIEF | | 140 | 200 | 80 | | | | |
| | | 190 | N/A | AS MAIN RELIEF | | 140 | | 80 | | | | |
| HCTP | RH WIDE BODY | 220 | N/A | AS MAIN RELIEF | | 140 | 200 | 80 | | | | |
| | | 230 | N/A | AS MAIN RELIEF | | 140 | | 80 | | | | |
| PHOENIX SMOOTH | 10 12 14 | 210 | N/A | 210 | | 160 | | 80 | | | | |
| | | 210 | N/A | 210 | | 160 | | 80 | | | | |
| OLTP TWIN PACK | LH NARROW BODY | Software controlled Factory set 160 Bar | Software controlled Factory set 25 Bar | 210 | | 160 | | 80 | | | | |
| | | Software controlled Factory set 160 Bar | Software controlled Factory set 25 Bar | 210 | | 160 | | 80 | | | | |

*SET 10 BAR BELOW PACK PRESSURE BUT NOT TO EXCEED PRESSURE STATED
NOTE: VALUES WITHOUT TOLERANCE ARE FIXED CARTRIDGE SETTINGS RATED AT 20L/MIN. ADD 10 BAR FOR VALUES AT NORMAL FLOW

| | | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
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| Issue date: | 22-01-07 | 22/09/10 | 19/07/11 | 25/07/11 | 1/9/14 | | |
| Originator's signature: | RL | SN | RL | RL | RL | | 2 of 5 |
| Approval signature: | RML | RL | RL | RL | RL | | |

Title: **HYDRAULIC PRESSURE SETTINGS**

| PRESSURE SETTINGS (BAR) CYCLE TIME 20 – 22 SECONDS | | MODEL | MAIN RELIEF | | TAILGATE LIFT | TAILGATE LOWER | BARRIER EJECT | BARRIER RETRACT | BARRIER DUMP | PACK | UNPACK | SWEEP | UNSWEEP |
|---|--|-----------------|-------------|---------|-------------------------------|----------------|------------------------------|-------------------------------|--------------|-------------------------------|--------------|------------------------------|--------------|
| | | ALL OTHER SIZES | HIGH | LOW | | | | | | | | | |
| | | OL-23W | 165-170 | 145-150 | AS HIGH PRESS. RELIEF 165-170 | (80) | AS LOW PRESS. RELIEF 145-150 | AS HIGH PRESS. RELIEF 165-170 | 150-155 | AS HIGH PRESS. RELIEF 165-170 | (100) | AS LOW PRESS. RELIEF 145-150 | (100) |
| | | OL-23W | | | | | | | 105-110 | | | | |

NOTE: BOLD VALUES ARE FIXED CARTRIDGE SETTINGS RATED AT 20L/MIN. ADD 10 BAR FOR VALUES AT NORMAL FLOW

| | | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|
| Issue: | 19 | 20 | 21 | 22 | 23 | 24 | Sheet 3 of 5 |
| Issue date: | 22-01-07 | 22/09/10 | 19/07/11 | 25/07/11 | 1/9/14 | | |
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Title: **HYDRAULIC PRESSURE SETTINGS**

| MODEL | | BINLIFT RELIEF | RAISE | | | LOWER | | | CLAMP | | | UNCLAMP | |
|------------------------|-----------|----------------|---|----------|--------------------------------|--------|--------|------------------------------|---------|-------|----------|---------|----------|
| | | | STATIC | MOVING | TIME | STATIC | MOVING | TIME | HIGH | LOW | TIME | STATIC | TIME |
| BETA 500 | PHOENIX | | 130-150 | 50-110 | 6-7 SEC. | 90-130 | 95-115 | 6-7 SEC. | 110-130 | 10-20 | 3-5 SEC. | 15-25 | 4-6 SEC. |
| BETA 500 | EXCELL | | 170-190 | 50-110 | 6-7 SEC. | 90-130 | 95-115 | 6-7 SEC. | 110-130 | 10-20 | 3-5 SEC. | 15-25 | 4-6 SEC. |
| BETA 2 | PHOENIX 2 | | 150-160 | 50-100 | 6-7 | 80-100 | 60-100 | 6-7 SEC. | 110-130 | 10-20 | 3-5 SEC. | 15-25 | 4-6 SEC. |
| GAMMA | PHOENIX 2 | | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA | TBA |
| BETA 2 PHASE 2 | PHOENIX 2 | | 150-160 | 50-100 | 6-7 | 80-100 | 60-100 | 6-7 | 110-130 | 10-20 | 3-5 SEC | 15-25 | 4-6 SEC |
| BETA 2-2 NEW LIFT ARMS | PHOENIX 2 | | * Voac 135/140 * Savery 155/165 | 50-100 | 6-7 | 80-120 | 30-120 | 6-7 | 110-130 | 10-20 | 3-5 SEC | 15-25 | 4-6 SEC |
| EUROPA RANGE | PHOENIX 2 | 170 +/- 5 | 140 | 60 +/- 5 | Slow: 6-7 sec Fast: 3-4 sec | 50 | 50 | Slow: 13-14 Fast: 3-4 sec | - | - | - | - | - |
| PROPRIETRY | ALL | | | | | | | | | | | | |

REFER TO SUPPLIERS

* Pressures measures at bin lift control valve

| | | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
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