



LubeWatch®

UIN 00C6D95

Diesel Engine

Unit No. H-110

Unit: Komatsu
Model PC160LC-8

Serial No.
Site

Compartment: Diesel Engine

Name

Make Model

Serial No.
Capacity:

Customer:
KLB CONSTRUCTION(LAKESIDE IND)
P O Box 158
Lynnwood WA98087
USA

DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range. Action: Resample next recommended service interval to further monitor.

ANALYST: Stan Leitz

| | | | | |
|--------|--------|----------|---------|--------|
| | | | | |
| Normal | Severe | Abnormal | Caution | Normal |

LEGEND

(800) LUBE-808

| DATE SAMPLED | DATE RECEIVED | DATE REPORTED | LAB NO. | SIF NO. | TIME ON UNIT | OIL BRAND | OIL TYPE | OIL GRADE | OIL ADDED | FILTER | OIL CHANGED | WO NUMBER |
|--------------|---------------|---------------|-------------|----------|--------------|---------------------|-----------|-----------|-----------|--------|-------------|-----------|
| 28-Apr-21 | 04-Jun-21 | 14-Jun-21 | 4011123664 | 38403109 | 12057 | Chevron Delo 400 LE | SAE 15W40 | 0.0 | | | Not Changed | |
| 15-Jul-20 | 07-Aug-20 | 13-Aug-20 | 40111135781 | 37228046 | 11921 | Chevron Delo 400 LE | SAE 15W40 | | | | Changed | |
| 11-Mar-20 | 17-Apr-20 | 28-Apr-20 | 40111099195 | 35610973 | 11525 | Chevron Delo 400 LE | SAE 15W40 | 0.0 | | | Not Changed | |
| 14-Sep-19 | 20-Sep-19 | 27-Sep-19 | 40111026133 | 35610880 | 500 | Chevron Delo 400 LE | SAE 15W40 | | | | Changed | |
| 08-Apr-19 | 17-Apr-19 | 22-Apr-19 | 4011097352 | 34911817 | 10957 | Chevron Delo 400 LE | SAE 15W40 | | | | Not Changed | |
| 16-Aug-18 | 28-Aug-18 | 30-Aug-18 | 4011089875 | 33998952 | 10706 | Chevron Delo 400 LE | SAE 15W40 | | | | Changed | |

| Metals (ppm) | 4011123664 | 40111135781 | 40111099195 | 40111026133 | 4011097352 | 4011089875 |
|---------------|------------|-------------|-------------|-------------|------------|------------|
| Iron (Fe) | 31 | 22 | 10 | 19 | 12 | 17 |
| Chromium (Cr) | <1 | 1 | <1 | 1 | <1 | <1 |
| Lead (Pb) | <1 | <1 | <1 | <1 | <1 | <1 |
| Copper (Cu) | <1 | <1 | <1 | <1 | <1 | <1 |
| Tin (Sn) | <1 | <1 | <1 | 1 | <1 | <1 |
| Aluminum (Al) | 3 | 8 | 5 | 8 | 4 | 4 |
| Nickel (Ni) | <1 | <1 | <1 | <1 | <1 | <1 |
| Silver (Ag) | <1 | <1 | <1 | <1 | <1 | <1 |
| Titanium (Ti) | <1 | <1 | <1 | 4 | 4 | <1 |
| Vanadium (V) | <1 | <1 | <1 | <1 | <1 | <1 |

| Contaminants (ppm) | 4011123664 | 40111135781 | 40111099195 | 40111026133 | 4011097352 | 4011089875 |
|--------------------|------------|-------------|-------------|-------------|------------|------------|
| Silicon (Si) | 5 | 9 | 5 | 6 | 7 | 5 |
| Sodium (Na) | 2 | 3 | 2 | 4 | 3 | 4 |
| Potassium (K) | 2 | 3 | 2 | 2 | 3 | 2 |

| Additives (ppm) | 4011123664 | 40111135781 | 40111099195 | 40111026133 | 4011097352 | 4011089875 |
|-----------------|------------|-------------|-------------|-------------|------------|------------|
| Magnesium (Mg) | 730 | 473 | 392 | 433 | 406 | 412 |
| Calcium (Ca) | 1364 | 1764 | 1480 | 1680 | 1513 | 1481 |
| Barium (Ba) | <1 | <1 | <1 | <1 | <1 | <1 |
| Phosphorus (P) | 815 | 1090 | 1080 | 1043 | 1050 | 991 |
| Zinc (Zn) | 906 | 1286 | 1097 | 1258 | 1233 | 1070 |
| Molybdenum (Mo) | 9 | 98 | 87 | 97 | 89 | 86 |
| Boron (B) | 117 | 506 | 456 | 459 | 490 | 431 |

| Contaminants | 4011123664 | 40111135781 | 40111099195 | 40111026133 | 4011097352 | 4011089875 |
|--------------|------------|-------------|-------------|-------------|------------|------------|
| Water (%) | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Coolant | No | No | No | No | No | No |

| Physical Tests | 4011123664 | 40111135781 | 40111099195 | 40111026133 | 4011097352 | 4011089875 |
|----------------------|------------|-------------|-------------|-------------|------------|------------|
| Viscosity (cSt 100C) | 13.3 | 14.2 | 14.0 | 13.6 | 13.5 | 14.0 |
| Fuel (%) | 2.70 | <1 | <1 | 1 | <1.0 | <1 |
| Soot (%) Infrared | <0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 0.3 |

| Physical / Chemical | 4011123664 | 40111135781 | 40111099195 | 40111026133 | 4011097352 | 4011089875 |
|-----------------------------------|------------|-------------|-------------|-------------|------------|------------|
| Base Number (mgKOH/g) | 4.7 | 5.8 | 5.7 | 4.5 | 5.3 | 4.3 |
| Oxidation (Abs/0.1mm) E2412/D7414 | 13 | 18 | 16 | 18 | 16 | 18 |
| Nitration (Abs/0.1mm) E2412 | 8 | | | | | |

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



LUBE CHECKLIST

250 HOUR PREVENTIVE MAINTENANCE CHECKLIST

| | | |
|-----------------------------|---------------------|--|
| EQUIPMENT # <i>H-110</i> | JOB # <i>056</i> | W.O. # |
| MODEL | SERIAL NO. | HOUR METER READING <i>12595 hrs</i> |
| OTHER | | LOCATION |

TYPE OF SERVICE

250 HR 750 HR 1250 HR 1750 HR

FLUID / FILTERS CHANGED

| | | |
|--|---|---|
| ENGINE OIL & FILTER CHANGE? <i>N</i> FRONT / REAR | ENGINE OIL SAMPLE TAKEN? <i>Y</i> FRONT / REAR | FUEL FILTER CHANGED & SCREEN CLEANED? <i>N</i> |
|--|---|---|

FLUID LEVELS CHECKED

- | | | | |
|--|--|--|---|
| 1 <input checked="" type="checkbox"/> ENGINE F R | 5 <input type="checkbox"/> REAR DIFF | 9 <input checked="" type="checkbox"/> CIRCLE DR | 13 <input checked="" type="checkbox"/> SWING DR. |
| 2 <input type="checkbox"/> TRANS F R | 6 <input type="checkbox"/> FINALS RE/LE | 10 <input checked="" type="checkbox"/> SPEED REDUCER | 14 <input checked="" type="checkbox"/> COOLANT _____ F° |
| 3 <input checked="" type="checkbox"/> HYDRAULIC | 7 <input checked="" type="checkbox"/> FINALS RR/LR | 11 <input type="checkbox"/> SPINDEL L R | |
| 4 <input type="checkbox"/> FRONT DIFF. | 8 <input type="checkbox"/> TANDEMS R L | 12 <input type="checkbox"/> STEERING | |

OTHER:

CHECKED

- | | | | |
|--|---|---|--|
| 16 <input checked="" type="checkbox"/> AIR FILTERS | 23 <input type="checkbox"/> PARKING BRAKE | 30 <input type="checkbox"/> TURN SIGNALS | 37 <input checked="" type="checkbox"/> EXPOSED WIRING |
| 17 <input checked="" type="checkbox"/> BATTERIES | 24 <input type="checkbox"/> INHIBITOR | 31 <input checked="" type="checkbox"/> FAN BELTS | 38 <input checked="" type="checkbox"/> GRAB IRONS |
| 18 <input checked="" type="checkbox"/> ALTERNATOR | 25 <input type="checkbox"/> AIR TANKS | 32 <input checked="" type="checkbox"/> GREASED FITTINGS | 39 <input checked="" type="checkbox"/> ROPS/FOPS |
| 19 <input type="checkbox"/> BRAKE RESERVE | 26 <input type="checkbox"/> UNIV. JOINTS | 33 <input checked="" type="checkbox"/> BREATHERS | 40 <input checked="" type="checkbox"/> SEAT BELT CONDITION |
| 20 <input checked="" type="checkbox"/> GAUGES | 27 <input checked="" type="checkbox"/> AIR FILTER INDICATOR | 34 <input checked="" type="checkbox"/> FIRE EX CHG. | 41 <input checked="" type="checkbox"/> SERVICE INTERVAL NOTIFICATION DECAL COMPLETED |
| 21 <input checked="" type="checkbox"/> HORN | 28 <input checked="" type="checkbox"/> PRE-CLEANER | 35 <input type="checkbox"/> BACK ALARM | |
| 22 <input type="checkbox"/> ROTATING BEACON | 29 <input checked="" type="checkbox"/> CAPS, COVERS | 36 <input checked="" type="checkbox"/> BRAKE LIGHTS | |

OTHER:

WALK AROUND VISUAL INSPECTION

COMMENTS/RECOMMENDATIONS: *sample blue*

ABBREVIATIONS: Yes No RR = Requires Repair OK = No Repair Required NA = Not Applicable MF = Make up Fluid Added

SERVICEMAN SIGNATURE *[Signature]* DATE *10-27-22*



"An Equal Opportunity/Affirmative Action Employer"

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LUBE CHECKLIST

500 HOUR PREVENTIVE MAINTENANCE CHECKLIST

| | | | | | |
|-----------------|--|----------------------------------|------------|--------------------|--------------|
| EQUIPMENT # | <i>H-110</i> | JOB # | <i>056</i> | W.O. # | |
| MODEL | | SERIAL NO. | | HOUR METER READING | <i>12320</i> |
| OTHER | | LOCATION | | | |
| TYPE OF SERVICE | <input checked="" type="checkbox"/> 500 HR | <input type="checkbox"/> 1500 HR | | | |

FLUID / FILTERS CHANGED

| | | |
|---|---|--|
| 1 <input checked="" type="checkbox"/> ENGINE OIL AND FILTER CHANGED? FRONT/REAR | 3 <input checked="" type="checkbox"/> HYDRAULIC FILTER CHANGED? | 5 <input type="checkbox"/> WINCH FILTER CHANGED? |
| 2 <input type="checkbox"/> TRANSMISSION FILTER CHANGED? | 4 <input checked="" type="checkbox"/> FUEL FILTER CHANGED AND SCREEN CLEANED? | 6 <input type="checkbox"/> CHANGED HYD STEERING FILTER (OHT) |

OIL SAMPLES TAKEN AND FLUID LEVELS CHECKED

| | | | |
|--|---|--|---|
| 7 <input checked="" type="checkbox"/> ENGINE F R | 11 <input type="checkbox"/> REAR DIFF. | 15 <input checked="" type="checkbox"/> CIRCLE DR. | 19 <input checked="" type="checkbox"/> SWING DR. |
| 8 <input type="checkbox"/> TRANSFER | 12 <input type="checkbox"/> FINALS RR/LF | 16 <input checked="" type="checkbox"/> SPEED REDUCER | 20 <input checked="" type="checkbox"/> COOLANT _____ F° |
| 9 <input checked="" type="checkbox"/> HYDRAULIC | 13 <input checked="" type="checkbox"/> FINALS RR/LR | 17 <input type="checkbox"/> SPINDLE L R | |
| 10 <input type="checkbox"/> FRONT DIFF. | 14 <input type="checkbox"/> TANDEM R L | 18 <input type="checkbox"/> STEERING | |

OTHERS:

CHECKED

| | | | |
|--|---|---|--|
| 22 <input checked="" type="checkbox"/> AIR FILTERS | 30 <input type="checkbox"/> INHIBITOR | 38 <input checked="" type="checkbox"/> GREASED FITTINGS | 46 <input checked="" type="checkbox"/> SEAT BELT CONDITION |
| 23 <input checked="" type="checkbox"/> BATTERIES | 31 <input type="checkbox"/> AIR TANKS | 39 <input checked="" type="checkbox"/> BREATHERS | 47 <input checked="" type="checkbox"/> SERVICE INTERVAL NOTIFICATION DECAL COMPLETED |
| 24 <input checked="" type="checkbox"/> ALTERNATOR | 32 <input type="checkbox"/> UNIV. JOINTS | 40 <input checked="" type="checkbox"/> FIRE EX CHG. | |
| 25 <input type="checkbox"/> BRAKE RESERVE | 33 <input checked="" type="checkbox"/> AIR FILTER INDICATOR | 41 <input checked="" type="checkbox"/> BACK ALARM | |
| 26 <input checked="" type="checkbox"/> GAUGES | 34 <input checked="" type="checkbox"/> PRE-CLEANER | 42 <input type="checkbox"/> BRAKE LIGHTS | 48 <input type="checkbox"/> FRONT AXLE BEARING(MTG) |
| 27 <input checked="" type="checkbox"/> HORN | 35 <input checked="" type="checkbox"/> CAPS, COVERS | 43 <input checked="" type="checkbox"/> EXPOSED WIRING | 49 <input type="checkbox"/> RECOIL OIL COMPARTMENT (HIGH TRACK) |
| 28 <input type="checkbox"/> ROTATING BEACON | 36 <input checked="" type="checkbox"/> TURN SIGNALS | 44 <input checked="" type="checkbox"/> GRAB IRONS | 50 <input type="checkbox"/> HYD. STEERING FILTER (OHT) |
| 29 <input type="checkbox"/> PARKING BRAKE | 37 <input checked="" type="checkbox"/> FAN BELTS | 45 <input checked="" type="checkbox"/> ROPS/FOPS | |

OTHER:

WALK AROUND VISUAL INSPECTION

COMMENTS/RECOMMENDATIONS: *B718L, C0140, 3620, samples*

ABBREVIATIONS: Yes No RR = Requires Repair OK = No Repair Required NA = Not Applicable MF = Make up Fluid Added

SERVICEMAN SIGNATURE

DATE



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LUBE CHECKLIST

250 HOUR PREVENTIVE MAINTENANCE CHECKLIST

| | | |
|------------------------|------------------|---------------------------------|
| EQUIPMENT # <u>110</u> | JOB # <u>050</u> | W.O. # |
| MODEL | SERIAL NO. | HOUR METER READING <u>12057</u> |
| OTHER | | LOCATION |

TYPE OF SERVICE: 250 HR 750 HR 1250 HR 1750 HR

FLUID / FILTERS CHANGED

| | | |
|--|---|---|
| ENGINE OIL & FILTER CHANGE? <u>N</u> FRONT / REAR | ENGINE OIL SAMPLE TAKEN? <u>Y</u> FRONT / REAR | FUEL FILTER CHANGED & SCREEN CLEANED? <u>N</u> |
|--|---|---|

FLUID LEVELS CHECKED

| | | | |
|--|--|--|---|
| 1 <input checked="" type="checkbox"/> ENGINE F R | 5 <input type="checkbox"/> REAR DIFF | 9 <input checked="" type="checkbox"/> CIRCLE DR | 13 <input checked="" type="checkbox"/> SWING DR. |
| 2 <input type="checkbox"/> TRANS F R | 6 <input type="checkbox"/> FINALS RE/LE | 10 <input checked="" type="checkbox"/> SPEED REDUCER | 14 <input checked="" type="checkbox"/> COOLANT _____ F ^o |
| 3 <input checked="" type="checkbox"/> HYDRAULIC | 7 <input checked="" type="checkbox"/> FINALS RR/LR | 11 <input type="checkbox"/> SPINDELL R | |
| 4 <input type="checkbox"/> FRONT DIFF. | 8 <input type="checkbox"/> TANDEMS R L | 12 <input type="checkbox"/> STEERING | |

OTHERS:

CHECKED

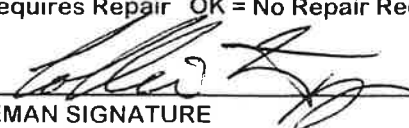
| | | | |
|--|---|---|--|
| 16 <input checked="" type="checkbox"/> AIR FILTERS | 23 <input type="checkbox"/> PARKING BRAKE | 30 <input type="checkbox"/> TURN SIGNALS | 37 <input checked="" type="checkbox"/> EXPOSED WIRING |
| 17 <input checked="" type="checkbox"/> BATTERIES | 24 <input type="checkbox"/> INHIBITOR | 31 <input checked="" type="checkbox"/> FAN BELTS | 38 <input checked="" type="checkbox"/> GRAB IRONS |
| 18 <input checked="" type="checkbox"/> ALTERNATOR | 25 <input type="checkbox"/> AIR TANKS | 32 <input checked="" type="checkbox"/> GREASED FITTINGS | 39 <input checked="" type="checkbox"/> ROPS/FOPS |
| 19 <input type="checkbox"/> BRAKE RESERVE | 26 <input type="checkbox"/> UNIV. JOINTS | 33 <input checked="" type="checkbox"/> BREATHERS | 40 <input type="checkbox"/> SEAT BELT CONDITION |
| 20 <input checked="" type="checkbox"/> GAUGES | 27 <input checked="" type="checkbox"/> AIR FILTER INDICATOR | 34 <input checked="" type="checkbox"/> FIRE EX CHG. | 41 <input checked="" type="checkbox"/> SERVICE INTERVAL NOTIFICATION DECAL COMPLETED |
| 21 <input checked="" type="checkbox"/> HORN | 28 <input checked="" type="checkbox"/> PRE-CLEANER | 35 <input checked="" type="checkbox"/> BACK ALARM | |
| 22 <input type="checkbox"/> ROTATING BEACON | 29 <input checked="" type="checkbox"/> CAPS, COVERS | 36 <input type="checkbox"/> BRAKE LIGHTS | |

OTHER:

WALK AROUND VISUAL INSPECTION

COMMENTS/RECOMMENDATIONS: sample the

ABBREVIATIONS: Yes No RR = Requires Repair OK = No Repair Required NA = Not Applicable MF = Make up Fluid Added


1-28-21
DATE



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LUBE CHECKLIST

1000/2000 HOUR PREVENTIVE MAINTENANCE CHECKLIST

| | | | | | |
|-----------------|---|----------------------------------|------------|--|--|
| EQUIPMENT # | <i>H-110</i> | JOB # | <i>033</i> | W.O. # | |
| MODEL | | SERIAL NO. | | HOUR METER READING <i>11821 Hrs</i> | |
| OTHER | | LOCATION | | | |
| TYPE OF SERVICE | <input checked="" type="checkbox"/> 1000 HR | <input type="checkbox"/> 2000 HR | | | |

FLUID / FILTERS CHANGED

- | | | |
|---|---|---|
| 1 <input checked="" type="checkbox"/> ENGINE OIL AND FILTER CHANGED? FRONT/REAR | 6 <input checked="" type="checkbox"/> FUEL FILTER CHANGED & SCREEN CHANGED? | 11 <input type="checkbox"/> DIFFERENTIAL OIL CHANGED? |
| 2 <input type="checkbox"/> TRANSMISSION FILTER CHANGED? | 7 <input type="checkbox"/> WINCH FILTER CHANGED? | 12 <input type="checkbox"/> BRAKE SYSTEM OIL CHANGED? |
| 3 <input type="checkbox"/> TRANSMISSION OIL CHANGED? | 8 <input checked="" type="checkbox"/> FINAL DRIVE OIL CHANGED? RF/LF/RR/LR? | 13 <input checked="" type="checkbox"/> SWING DRIVE OIL? |
| 4 <input checked="" type="checkbox"/> HYDRAULIC FILTER CHANGED? | 9 <input checked="" type="checkbox"/> COOLANT CHANGED | |
| 5 <input checked="" type="checkbox"/> HYDRAULIC OIL CHANGED? | 10 <input type="checkbox"/> STEERING SYSTEM OIL CHANGED? | |

OIL SAMPLES TAKEN AND FLUID LEVELS CHECKED

- | | | | |
|---|---|--|---|
| 14 <input checked="" type="checkbox"/> ENGINE F R | 18 <input type="checkbox"/> REAR DIEF. | 22 <input checked="" type="checkbox"/> CIRCLE DR. | 26 <input checked="" type="checkbox"/> SWING DR. |
| 15 <input type="checkbox"/> TRANSFER | 19 <input type="checkbox"/> FINALS RE/LF | 23 <input checked="" type="checkbox"/> SPEED REDUCER | 27 <input checked="" type="checkbox"/> COOLANT _____ F° |
| 16 <input checked="" type="checkbox"/> HYDRAULIC | 20 <input checked="" type="checkbox"/> FINALS RR/LR | 24 <input type="checkbox"/> SPINDLE L R | |
| 17 <input type="checkbox"/> FRONT DIFF. | 21 <input type="checkbox"/> TANDEMS R-L | 25 <input type="checkbox"/> STEERING | |

OTHERS:

CHECKED

- | | | | |
|--|---|--|---|
| 29 <input checked="" type="checkbox"/> AIR FILTERS | 39 <input type="checkbox"/> UNIV. JOINTS | 49 <input type="checkbox"/> BRAKE LIGHTS | 57 <input checked="" type="checkbox"/> COND OF ROPS & MOUNT BOLTS |
| 30 <input checked="" type="checkbox"/> BATTERIES | 40 <input checked="" type="checkbox"/> AIR FILTER INDICATOR | 50 <input checked="" type="checkbox"/> EXPOSED WIRING | 58 <input checked="" type="checkbox"/> STARTING AND CHARGING SYSTEM |
| 31 <input checked="" type="checkbox"/> ALTERNATOR | 41 <input checked="" type="checkbox"/> PRE-CLEANER | 51 <input checked="" type="checkbox"/> GRAB IRONS | 59 <input checked="" type="checkbox"/> ENGINE NOISE, SMOKE, LEAKS |
| 32 <input type="checkbox"/> BRAKE RESERVE | 42 <input checked="" type="checkbox"/> CAPS, COVERS | 52 <input type="checkbox"/> ROPS/FOPS | 60 <input checked="" type="checkbox"/> SEAT BELT CONDITION |
| 33 <input checked="" type="checkbox"/> GAUGES | 43 <input type="checkbox"/> TURN SIGNALS | 53 <input checked="" type="checkbox"/> SERVICE INTERVAL NOTIFICATION DECAL COMPLETED | 61 <input type="checkbox"/> BRAKE ACCUMULATOR CHARGE (OHT) |
| 34 <input checked="" type="checkbox"/> HORN | 44 <input checked="" type="checkbox"/> FAN BELTS | 54 <input type="checkbox"/> ENGINE VALVE ADJ. INTAKE EXHAUST | 62 <input checked="" type="checkbox"/> MAIN FRAME BODY SUPP. (OHT) |
| 35 <input type="checkbox"/> ROTATING BEACON | 45 <input checked="" type="checkbox"/> GREASED FITTINGS | 55 <input type="checkbox"/> VALVE COVER GASKET REPL | |
| 36 <input type="checkbox"/> PARKING BRAKE | 46 <input checked="" type="checkbox"/> BREATHERS | 56 <input checked="" type="checkbox"/> TRANS OPER. NOISE, LEAKS | |
| 37 <input type="checkbox"/> INHIBITOR | 47 <input checked="" type="checkbox"/> FIRE EX CHG. | | |
| 38 <input type="checkbox"/> AIR TANKS | 48 <input checked="" type="checkbox"/> BACK ALARM | | |

OTHER:

WALK AROUND VISUAL INSPECTION

COMMENTS/RECOMMENDATIONS: *6736-51-5142, 600-185-2500, 207-60-71182*
3620, 6140, samples

ABBREVIATIONS: Yes No RR = Requires Repair OK = No Repair Required NA = Not Applicable MF = Make up Fluid Added

Robert Hys
 SERVICEMAN SIGNATURE

7-15-20
 DATE



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LUBE CHECKLIST

250 HOUR PREVENTIVE MAINTENANCE CHECKLIST

| | | | | | |
|-----------------|--|---------------------------------|----------------------------------|----------------------------------|------------------|
| EQUIPMENT # | <i>H-110</i> | JOB # | <i>040</i> | W.O. # | |
| MODEL | | SERIAL NO. | | HOUR METER READING | <i>11525 Hrs</i> |
| OTHER | | LOCATION | | | |
| TYPE OF SERVICE | <input checked="" type="checkbox"/> 250 HR | <input type="checkbox"/> 750 HR | <input type="checkbox"/> 1250 HR | <input type="checkbox"/> 1750 HR | |

FLUID / FILTERS CHANGED

| | | |
|-----------------------------|--------------------------|---------------------------------------|
| ENGINE OIL & FILTER CHANGE? | ENGINE OIL SAMPLE TAKEN? | FUEL FILTER CHANGED & SCREEN CLEANED? |
| <i>N</i> FRONT / REAR | <i>Y</i> FRONT / REAR | <i>N</i> |

FLUID LEVELS CHECKED

| | | | |
|--|--|--|---|
| 1 <input checked="" type="checkbox"/> ENGINE F R | 5 <input type="checkbox"/> REAR DIFF | 9 <input checked="" type="checkbox"/> CIRCLE DR | 13 <input checked="" type="checkbox"/> SWING DR. |
| 2 <input type="checkbox"/> TRANS F R | 6 <input type="checkbox"/> FINALS RE/LF | 10 <input checked="" type="checkbox"/> SPEED REDUCER | 14 <input checked="" type="checkbox"/> COOLANT _____ F ² |
| 3 <input checked="" type="checkbox"/> HYDRAULIC | 7 <input checked="" type="checkbox"/> FINALS RR/LR | 11 <input type="checkbox"/> SPINDEL L R | |
| 4 <input type="checkbox"/> FRONT DIFF. | 8 <input type="checkbox"/> TANDEMS R L | 12 <input type="checkbox"/> STEERING | |

OTHERS:

CHECKED

| | | | |
|--|---|---|--|
| 16 <input checked="" type="checkbox"/> AIR FILTERS | 23 <input type="checkbox"/> PARKING BRAKE | 30 <input type="checkbox"/> TURN SIGNALS | 37 <input checked="" type="checkbox"/> EXPOSED WIRING |
| 17 <input checked="" type="checkbox"/> BATTERIES | 24 <input type="checkbox"/> INHIBITOR | 31 <input checked="" type="checkbox"/> FAN BELTS | 38 <input checked="" type="checkbox"/> GRAB IRONS |
| 18 <input checked="" type="checkbox"/> ALTERNATOR | 25 <input type="checkbox"/> AIR TANKS | 32 <input checked="" type="checkbox"/> GREASED FITTINGS | 39 <input checked="" type="checkbox"/> ROPS/FOPS |
| 19 <input type="checkbox"/> BRAKE RESERVE | 26 <input type="checkbox"/> UNIV. JOINTS | 33 <input checked="" type="checkbox"/> BREATHERS | 40 <input checked="" type="checkbox"/> SEAT BELT CONDITION |
| 20 <input checked="" type="checkbox"/> GAUGES | 27 <input checked="" type="checkbox"/> AIR FILTER INDICATOR | 34 <input checked="" type="checkbox"/> FIRE EX CHG. | 41 <input checked="" type="checkbox"/> SERVICE INTERVAL NOTIFICATION DECAL COMPLETED |
| 21 <input checked="" type="checkbox"/> HORN | 28 <input type="checkbox"/> PRE-CLEANER | 35 <input checked="" type="checkbox"/> BACK ALARM | |
| 22 <input type="checkbox"/> ROTATING BEACON | 29 <input checked="" type="checkbox"/> CAPS COVERS | 36 <input checked="" type="checkbox"/> BRAKE LIGHTS | |

OTHER:

WALK AROUND VISUAL INSPECTION

COMMENTS/RECOMMENDATIONS: *sample piece*

ABBREVIATIONS: Y= Yes, No= No, RR= Recommended, L= Loose, N= None, F= Fire, H= Horn, S= Signal, B= Brake, W= Warning, A= Alarm, C= Control, D= Drive, E= Exhaust, G= Gear, I= Indicator, J= Joint, K= Key, L= Light, M= Meter, N= Noise, O= Oil, P= Pressure, R= Read, S= Stop, T= Temperature, U= Under, V= Valve, W= Water, X= X-ray, Y= Yes, Z= Zero

SERVICEMAN'S SIGNATURE



AW



LUBE CHECKLIST

500 HOUR PREVENTIVE MAINTENANCE CHECKLIST

| | | | |
|--|------------|------------------------------------|--------|
| EQUIPMENT # H110 | | JOB # 995 | W.O. # |
| MODEL | SERIAL NO. | HOUR METER READING 11276 | |
| OTHER | | LOCATION N160 | |
| TYPE OF SERVICE <input checked="" type="checkbox"/> 500 HR <input type="checkbox"/> 1500 HR | | | |

FLUID / FILTERS CHANGED

| | | |
|---|---|--|
| 1 <input checked="" type="checkbox"/> ENGINE OIL AND FILTER CHANGED? FRONT/REAR | 3 <input checked="" type="checkbox"/> HYDRAULIC FILTER CHANGED? | 5 <input type="checkbox"/> WINCH FILTER CHANGED? |
| 2 <input type="checkbox"/> TRANSMISSION FILTER CHANGED? | 4 <input checked="" type="checkbox"/> FUEL FILTER CHANGED AND SCREEN CLEANED? | 6 <input type="checkbox"/> CHANGED HYD STEERING FILTER (OHT) |

OIL SAMPLES TAKEN AND FLUID LEVELS CHECKED

| | | | |
|--|---|---|--|
| 7 <input checked="" type="checkbox"/> ENGINE F R | 11 <input type="checkbox"/> REAR DIFF. | 15 <input type="checkbox"/> CIRCLE DR. | 19 <input checked="" type="checkbox"/> SWING DR. |
| 8 <input type="checkbox"/> TRANS F R | 12 <input checked="" type="checkbox"/> FINALS RF/LF | 16 <input type="checkbox"/> SPEED REDUCER | 20 <input type="checkbox"/> COOLANT _____ F° |
| 9 <input checked="" type="checkbox"/> HYDRAULIC | 13 <input type="checkbox"/> FINALS RR/LR | 17 <input type="checkbox"/> SPINDLE L R | |
| 10 <input type="checkbox"/> FRONT DIFF. | 14 <input type="checkbox"/> TANDEMS R L | 18 <input type="checkbox"/> STEERING | |

OTHERS:

CHECKED

| | | | |
|--|---|---|--|
| 22 <input checked="" type="checkbox"/> AIR FILTERS | 30 <input type="checkbox"/> INHIBITOR | 38 <input checked="" type="checkbox"/> GREASED FITTINGS | 46 <input checked="" type="checkbox"/> SEAT BELT CONDITION |
| 23 <input checked="" type="checkbox"/> BATTERIES | 31 <input type="checkbox"/> AIR TANKS | 39 <input checked="" type="checkbox"/> BREATHERS | 47 <input checked="" type="checkbox"/> SERVICE INTERVAL NOTIFICATION DECAL COMPLETED |
| 24 <input checked="" type="checkbox"/> ALTERNATOR | 32 <input type="checkbox"/> UNIV. JOINTS | 40 <input checked="" type="checkbox"/> FIRE EX CHG. | |
| 25 <input type="checkbox"/> BRAKE RESERVE | 33 <input checked="" type="checkbox"/> AIR FILTER INDICATOR | 41 <input checked="" type="checkbox"/> BACK ALARM | |
| 26 <input checked="" type="checkbox"/> GAUGES | 34 <input checked="" type="checkbox"/> PRE-CLEANER | 42 <input type="checkbox"/> BRAKE LIGHTS | 48 <input type="checkbox"/> FRONT AXLE BEARING(MTG) |
| 27 <input checked="" type="checkbox"/> HORN | 35 <input checked="" type="checkbox"/> CAPS, COVERS | 43 <input checked="" type="checkbox"/> EXPOSED WIRING | 49 <input type="checkbox"/> RECOIL OIL COMPARTMENT (HIGH TRACK) |
| 28 <input type="checkbox"/> ROTATING BEACON | 36 <input type="checkbox"/> TURN SIGNALS | 44 <input checked="" type="checkbox"/> GRAB IRONS | 50 <input type="checkbox"/> HYD. STEERING FILTER (OHT) |
| 29 <input type="checkbox"/> PARKING BRAKE | 37 <input checked="" type="checkbox"/> FAN BELTS | 45 <input checked="" type="checkbox"/> ROPS/FOPS | |

OTHER:

WALK AROUND VISUAL INSPECTION

COMMENTS/RECOMMENDATIONS:

ABBREVIATIONS: Yes No RR = Requires Repair OK = No Repair Required NA = Not Applicable MF = Make up Fluid Added

MCC
SERVICEMAN SIGNATURE

9-14-19
DATE



"An Equal Opportunity/Affirmative Action Employer"

AW

Incoming / Outgoing Machine Quality Assurance Inspection

Customer: H-110 Date: 6-1-16
 Model: PC160LC-7EO S/N: C10097
 W/O #: 13177 Hours: 9220 / 9246
 Checkmark = OK; X = Needs Repair; NA = Not Applicable

Authorization # _____
 SM4 D10 PO# _____
 SN# 26521157

| Fluid Checks | In | Out | Comments |
|------------------------|-------------------------------------|-----|----------|
| 1 Engine Oil: | <input checked="" type="checkbox"/> | | |
| 2 Engine Coolant: | <input checked="" type="checkbox"/> | | Low |
| 3 Transmission: | <input checked="" type="checkbox"/> | | |
| 4 Hydraulic: | <input checked="" type="checkbox"/> | | |
| 5 Finals: | <input checked="" type="checkbox"/> | | |
| 6 Differentials: | | | |
| 7 Attachment: | | | |
| 8 Bevel: | | | Low |
| 9 Pump Drive: | <input checked="" type="checkbox"/> | | |
| 10 Swing/Circle: | <input checked="" type="checkbox"/> | | |
| 11 Swing Grease: | <input checked="" type="checkbox"/> | | |
| 12 Tandems: | | | |
| 13 Pivot Shaft: | <input checked="" type="checkbox"/> | | |
| 14 Fuel: | <input checked="" type="checkbox"/> | | |
| 15 Service Brakes: | | | |
| 16 Lubricate Machine: | <input checked="" type="checkbox"/> | | |
| 17 SOS All: | <input checked="" type="checkbox"/> | | |
| 18 Batteries: | | | |
| 19 Recoil Housings: | | | |
| 20 Transfer Drive: | | | |
| 21 Feeder Planetaries: | | | |

| Visual Checks | In | Out | Comments |
|------------------------|-------------------------------------|-----|------------------|
| 22 Leaks | <input checked="" type="checkbox"/> | | |
| 23 Loose Hdw | | | |
| 24 Undercarriage | <input checked="" type="checkbox"/> | | |
| 25 Attachments | | | |
| 26 Under Guards | <input checked="" type="checkbox"/> | | |
| 27 Air/Pre Cleaners | <input checked="" type="checkbox"/> | | |
| 28 Cab/Glass/Clean? | <input checked="" type="checkbox"/> | | |
| 29 Latches | <input checked="" type="checkbox"/> | | Hood Latch |
| 30 Rails/Steps | <input checked="" type="checkbox"/> | | |
| 31 Tires/Press | <input checked="" type="checkbox"/> | | |
| 32 Seat/Belt | <input checked="" type="checkbox"/> | | |
| 33 Heater/AC | | | Fire ext. no tag |
| 34 Belts/Pulleys | <input checked="" type="checkbox"/> | | |
| 35 Travel Alarm | | | Fan/pt |
| 36 Swing/Parking Brake | <input checked="" type="checkbox"/> | | |
| 37 Service brakes | <input checked="" type="checkbox"/> | | |
| 38 Starting | <input checked="" type="checkbox"/> | | |
| 39 Steering | | | |
| 40 Transmission | | | |
| 41 Gauges | <input checked="" type="checkbox"/> | | |
| 42 Hydraulics | <input checked="" type="checkbox"/> | | |
| 43 Implements | | | |
| 44 Linkage/Pins | <input checked="" type="checkbox"/> | | |

Repair Recommendation:

(Continued on back) Front windows needs need Rollers & Ballance Boom base Pin/Bushings Loose
 Fuel Tank Sediment Drain clogged ✓-2 LS hoses @ Pump need to be Replaced
 Leg Small Drive covers leaks ✓ Belly Pans under cab ✓ Pump Damaged
 Need new hood latch Hyd. Tank Breather hose needs to be Replaced ✓ Coupler socket Lock Pin missing

Incoming Inspector: AREN HYDE

Outgoing Inspector: AREN HYDE

- ✓ Repair Radiator
- ✓ Need To inspect Pump
- ✓ Control Lever Lockout handle
- ✓ need new cab air filters
- ✓ Right PRC Valve leaks
- ✓ Cab Doors needs new seal
- ✓ Special...

- Hi Press Filters
- Broken Bumper
- 7-5-16
- Right cyl. Rod scratched
- Right cyl. Rod scratched
- SOFT 216000
- Grease Line Broken off @ Right Boom cyl. Base
- Horn missing hardware (mounting)
- Need new boxes @ couplers
- Front Bottom glass missing
- HX Tube missing @ Right side of Stick + Ball Valve
- Need new spill kit

WORK ORDER

NO. 11177 EQUIPMENT# _____ LOCATION St. ... DATE 7-1-16

HOURS 9770.9 MILEAGE _____ MECH ARCW DATE COMP. 7-18-16

DESCRIPTION OF WORK Complete inspection / Remove thumb

| ITEM | REPAIRS MADE | MECH |
|------|--|------|
| 1 | Complete inspection see attached | |
| 2 | R&I Fan & a/c Belts & Test = OK | AA |
| 3 | R&I Front window Rollers & install new Ballare | |
| 4 | Remove Boom Base Pin & cut out Bushings From Boom base, install new Bushings & Reinstall Boom with new steel Shimms & Dust seals Grease complete & Test. | |
| 5 | Replaced 2 LS hoses From Pump - Valve | |
| 6 | Remove left final cover & clean up mating surfaces & Reinstall with LG-6 & Refill oil. | |
| 7 | Remove & straighten Belly Pans under Cab & Pump & Reinstall | |
| 8 | Replace Hood Latches & Pins / adjust / test = OK. | |
| 9 | R&I Hyd. Breather hose | |
| 10 | Clean up coupler Safety Lock Pin Boxes & install new Pin | |
| 11 | Replaced missing track Pad bolts 2 left side / Right side | |
| 12 | Repaired grease lines @ Right Bodmi cyl. Base & @ Rotek | |
| 13 | Remove old coupler hoses & measure & Build new hoses install Both & adjust. | |
| 14 | clean Front of cab & install new lower Front glass | |
| 15 | install New HKX Tube & Ball Valve @ Right Side of stick & Build 2 offset Brackets for Ball Valves @ end of stick & install | |
| 16 | Remove Rod send out for Repairs & Reinstall & Refill coolant. | |
| 17 | Removed & inspect Pump Hi Press. filters = OK Reinstall with new rings. | |
| 18 | Replaced control lever lockout handle knob & cover | |
| 19 | R&I Cab air filters | |
| 20 | Reseal Right PPC Valve with new seals & Plungers | |
| 21 | install new cab Door Seal | |
| 22 | Remove Bucket cylinder & sent out for Repairs then Reinstall & test / top off Hyd. tank. | |
| 23 | Removed thumb cyl / linkage & cut off thumb Pin locks. weld new collar to Bucket Link & install 0.75" Length Pins @ Bucket Link & @ coupler & grease coupler | |
| 24 | install cone Bush Bolt to coupler & test if needed, install to machine & test w/ ch. | |