

UNIT INFORMATION SHEETS FOR NS 5180 AT SHOP SCY ON 03/31/17 PAGE 1

TASKS AND INFO LISTED ARE VALID THROUGH END OF SHOPPING COMMENCING ON DATE SHOWN AT TOP OF PAGE (ML949A)

| CRITICAL UNIT DATA          |           |      |          |
|-----------------------------|-----------|------|----------|
|                             | LAST DONE | SHOP | NEXT DUE |
| # OIL/WTR SAMP              | 03/15/17  | STL  | 03/28/17 |
| - LUBE                      | 02/24/17  | STL  | 04/09/17 |
| - 3 MONTH - MAINT EXPEDITED | 01/08/17  | STL  | 04/09/17 |
| - 6 MONTH                   | 01/08/17  | STL  | 07/10/17 |
| - METER                     | 01/08/17  | STL  | 01/10/18 |
| - 12 MONTH                  | 01/08/17  | STL  | 01/10/18 |
| - 24/36/48/60               | 07/02/15  | DEC  | 07/09/18 |
| - EVENT RECORDER            | 01/08/17  | STL  | 04/09/17 |
| - EPA 1 YEAR                | 07/05/16  | STL  | 07/07/17 |
| - EPA 2 YEAR                | 01/08/17  | STL  | 01/13/19 |
| - EPA 3 YEAR                | 01/08/17  | STL  | 01/16/20 |
| - EPA 4 YEAR                | 01/08/17  | STL  | 01/18/21 |
| - EPA 6 YEAR                | 01/08/17  | STL  | 01/24/23 |
| - EPA 12 YEAR               | 03/13/05  | MDH  | 04/09/17 |
| - MID-LIFE TUNE UP          | 09/28/11  | JUN  | 10/13/17 |
| - OVERHAUL                  | 03/13/05  | JUN  | 04/14/17 |
| # TRUCK CHANGE              | 03/17/05  | JUN  | 04/15/16 |
| - RETRO REFLECTIVE          | 07/05/16  | STL  | 08/01/26 |
| - BATTERY SET CHANGE        | 06/24/12  | CHA  | 07/21/22 |

AIR COMP: ? AIR DRYER: ? OIL CHG: ?  
 RI: 66 EPA: 0 RAILVIEW: N APU: K90  
 CAB SGNL: N TM TYPE: 723D77,40H BEARING TYPE: HYATT RMT CTL: N

| COMPONENT CHANGE HISTORY |   |     |
|--------------------------|---|-----|
| DATE                     | DESCRIPTION                             | POS |
| 03-16-2017               | LAMP, 50W 75V A19 MED BASE INSIDE FROST | SH  |
| 03-14-2017               | TREATMENT, COOLING WATER. WATER         | ALL |
| 03-14-2017               | GASKET, WATER PUMP MOUNTING OR OIL SEP  | LE  |
| 03-14-2017               | GASKET, SHELLEX PUMP OUTLET TO PIPE     | LE  |
| 03-14-2017               | PUMP, WATER, LEFT BANK                  | LE  |
| 03-14-2017               | GASKET, END                             | LE  |
| 03-01-2017               | LUBRICANT, LPS-1 PENETRANT 16 OZ        | ALL |
| 02-16-2017               | INDICATOR, SPEED, ENGINEER, SI-80       | N/A |
| 02-16-2017               | SHOE, COMPOSITE BRAKE 2IN               | ALL |
| 02-16-2017               | RESISTOR, HEADLIGHT ASSEMBLY,           | N/A |
| 02-12-2017               | HINGE, CAB DOOR                         | SH  |
| 01-28-2017               | CAP, SAND FILL                          | ALL |
| 01-16-2017               | SHOE, COMPOSITE BRAKE 2IN               | ALL |
| 01-08-2017               | FORM, ME-65 LOCOMOTIVE DAILY INSPECTION | N/A |
| 01-08-2017               | BATTERY, APU 38LB 8.99"L X 5.55"W       | N/A |
| 01-07-2017               | BELT, WATER PUMP, FOR APU EQUIPPED LOCO | ALL |
| 01-07-2017               | BELT, KUBOTA ALTERNATOR, FOR APU        | ALL |
| 01-07-2017               | BLADE, WIPER, 18IN,                     | ALL |

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|            |  |     |
|------------|--|-----|
| 01-07-2017 | ELEMENT, APU CRANKCASE LUBE OIL FILTER   | ALL |
| 01-07-2017 | LOCO SAMPLE BOTTLE W/ LID, PLASTIC       | N/A |
| 01-07-2017 | KIT, APU HOSE GP38-28AU REQ F/EPA        | ALL |
| 01-06-2017 | BRUSH, CARBON GRADE AY - EMD 8413190     | ALL |
| 01-06-2017 | SPRING, BRUSH                            | ALL |
| 01-06-2017 | BRUSH, SPRING, AR10 ALTERNATOR           | ALL |
| 01-06-2017 | BRUSH, CARBON GRADE DE869 W 70 AMP SHUNT | ALL |
| 01-06-2017 | GASKET, SWELLEX SOLENOID VALVE           | N/A |
| 01-06-2017 | VALVE, 74VDC, 2TAB, AIR COMP MAGNET      | N/A |
| 01-06-2017 | ELEMENT, AIR FILTER                      | N/A |
| 01-06-2017 | CARTRIDGE, BELL RINGER, MOTOR/PLUNGER    | N/A |
| 01-06-2017 | ELEMENT, 13 & 20 LINE FILTER AND         | N/A |
| 01-05-2017 | ELEMENT, FIBERGLASS BAGGY TYPE FILTER    | N/A |
| 01-05-2017 | BRUSH, GRADE AG137                       | ALL |
| 01-05-2017 | FILTER, LUBE OIL                         | N/A |
| 01-05-2017 | ELEMENT, SPIN ON FUEL FILTER             | N/A |
| 01-05-2017 | ELEMENT, FILTER, HVAC/RETURN             | ALL |
| 01-05-2017 | ELEMENT, AIR FILTER, APU                 | ALL |
| 01-05-2017 | ELEMENT, AIR COMPRESSOR FILTER, ROUND    | N/A |
| 01-05-2017 | FILTER, APU & AIR COMP LUBE OIL          | N/A |
| 01-04-2017 | LAMP, 5A 37.5V 1828 T3 1/4 MINIATURE BAY | ALL |
| 01-03-2017 | INJECTOR, FUEL, 645E, NON-TURBO,TIER 0   | ALL |
| 12-30-2016 | SHOE, COMPOSITE BRAKE 2IN                | ALL |
| 12-30-2016 | LAMP, 50W 75V A19 MED BASE INSIDE FROST  | ALL |
| 12-24-2016 | LAMP, 5A 37.5V 1828 T3 1/4 MINIATURE BAY | N/A |
| 12-24-2016 | SHOE, COMPOSITE BRAKE 2IN                | ALL |
| 12-13-2016 | SHOE, COMPOSITE BRAKE 2IN                | ALL |
| 11-23-2016 | SHOE, COMPOSITE BRAKE 2IN                | ALL |
| 11-23-2016 | LAMP, 50W 75V A19 MED BASE INSIDE FROST  | N/A |
| 11-03-2016 | RESISTOR, DROP DOWN 50 OHM 10W           | ALL |
| 11-03-2016 | RESISTOR, 8 OHM, 400 WATT HEADLIGHT      | SH  |
| 10-30-2016 | SHOE, COMPOSITE BRAKE 2IN                | ALL |
| 10-15-2016 | VALVE, P2A BRAKE APPLICATION             | N/A |
| 10-15-2016 | LAMP, 50W 75V A19 MED BASE INSIDE FROST  | N/A |
| 10-15-2016 | RHEOSTAT, DYNAMIC BRAKE                  | N/A |
| 10-15-2016 | SHOE, COMPOSITE BRAKE 2IN                | ALL |
| 10-02-2016 | LOCO SAMPLE BOTTLE W/ LID, PLASTIC       | N/A |
| 10-02-2016 | ELEMENT, SPIN ON FUEL FILTER             | N/A |
| 10-02-2016 | GASKET COVER FUEL OIL FILTER             | N/A |
| 10-02-2016 | FILTER, LUBE OIL                         | N/A |
| 10-02-2016 | GASKET, P-2 PISTON & 26-C VALVE AP BRAKE | N/A |
| 10-02-2016 | VALVE, P2A BRAKE APPLICATION             | N/A |
| 10-02-2016 | LABEL, HOTD/EOTD CALIBRATION WHITE       | N/A |
| 09-29-2016 | LAMP, HEADLIGHT HALOGEN 200W 30V PAR56   | LF  |

UNSCCHEDULED SHOPPING HISTORY

|            |                |
|------------|----------------|
| 03-11-2017 | STL wentz      |
| 02-15-2017 | STL a.o. smith |
| 10-19-2016 | STL STLA smith |

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LATEST WHEEL DATA

| AXLE | LRT     | LFH    | LFT    | RRT     | RFH    | RFT    |
|------|---------|--------|--------|---------|--------|--------|
| 1    | 2 15/16 | 1 1/16 | 1 6/16 | 2 15/16 | 1 2/16 | 1 6/16 |
| 2    | 2 15/16 | 1 3/16 | 1 5/16 | 2 15/16 | 1 3/16 | 1 6/16 |
| 3    | 1 15/16 | 1 4/16 | 1 4/16 | 2 0/16  | 1 4/16 | 1 4/16 |
| 4    | 2 9/16  | 1 3/16 | 1 6/16 | 2 9/16  | 1 3/16 | 1 7/16 |

KIPS READING > 75

POS PEAK DATE  
HAS NO WHEEL DATA AVAILABLE

OPEN ACCIDENTS

HAS NO OPEN ACCIDENTS

TROUBLE HISTORY

TT 03-20-2017 STORE UNIT  
 UNIT TROUBLE COMMENTS:  
 CONTACT SOC ON ARRIVAL AT SHOP TO HAVE UNIT PLACED IN STORED STATUS.  
 MECH DEPT ASSESSMENT COMMENTS:  
 STORE UNIT PER ANTHAN @ SOC  
 RESOLVED: BY:

ME 03-20-2017 LOSING COOLING WATER / TLWD/CO  
 UNIT TROUBLE COMMENTS:  
 LCDI CAT: PROTECTIVE DEVICE, DEF: LOW WATER TRIPPED,OTHER,TA(AJ) low water tripping, water is low on unit. unit pulls all water from sight glass when started  
 MECH DEPT ASSESSMENT COMMENTS:  
 INSPECTED ENGINE WATER LEAKING OUT OF NUMBER 3 WATER JUMPER AND GOING OUT AIR BOX DRAIN  
 RESOLVED: BY:

ME 03-10-2017 LOSING COOLING WATER / TLWD/CO  
 UNIT TROUBLE COMMENTS:  
 LCDI CAT: ENGINE ROOM, DEF: ENGINE WATER LEVEL,WATER LEAK,LEAKING FROM THE PUMPS BELOW THE GOVERNOR LEAKING FROM THE PUMPS  
 MECH DEPT ASSESSMENT COMMENTS:  
 CONDUCTOR SIDE WATER PUMP LEAKING SIGNIFICANTLY FROM WEEP HOLE.  
 MECH DEPT RESOLUTION COMMENTS:  
 REPLACED LEFT BANK WATER PUMP AND PRESSURE TESTED..OK FOR SERVICE  
 COMPONENT(S) USED:  
 GASKET, EMD  
 GASKET, WATER PUMP MOUNTING OR OIL SEP  
 GASKET, SWELLEX PUMP OUTLET TO PIPE  
 PUMP, WATER, LEFT BANK  
 RESOLVED: 03-14-2017 14:46 BY: MAYMW

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ME 02-27-2017 CREW CAB TROUBLE

UNIT TROUBLE COMMENTS:

LCDI CAT: CREW CAB PROBLEM , DEF: SEAT DEFECT,ENGINEER,THE SEAT NEEDS REPLACED. TOO TOO BIG TO RUN ON MAIN LINE IN BOTH DIRECTIONS. THE ARM REST GETS IN THE WAY OF ALL CONTROLS. DA

MECH DEPT RESOLUTION COMMENTS:

SEAT IS A NEWER STYLE SEAT CUSHION IS IN GOOD SHAPE SEAT ADJUSTMENTS ALL WORK TRIPOD GOES UP AND DOWN ALSO WALL ADJUSTMENTS WORKS LUBED SEAT ON CONDUCTORS SIDE ALSO

COMPONENT(S) USED:

LUBRICANT, LPS-1 PENETRANT 16 OZ

RESOLVED: 03-01-2017 06:48 BY: MZN3W

ME 02-11-2017 CREW CAB TROUBLE

UNIT TROUBLE COMMENTS:

LCDI CAT: CREW CAB PROBLEM , DEF: DOOR,MISALIGNED,

MECH DEPT ASSESSMENT COMMENTS:

LOWER HINGE SEPARATED FROM DOOR SKIN ON SH CAB DOOR

MECH DEPT RESOLUTION COMMENTS:

REPAIRED DOOR SKIN, WELDED HINGE TO DOOR AND ADJUSTED DOOR FITMENT- OK FOR SERVICE

COMPONENT(S) USED:

HINGE, CAB DOOR

RESOLVED: 02-12-2017 06:02 BY: MAXMR

ME 02-09-2017 SPEED INDICATOR TROUBLE (LDI 1

UNIT TROUBLE COMMENTS:

LCDI CAT: SPEEDOMETER, DEF: INACCURATE,?? MPH AT ACTUAL ?? MPH,

MECH DEPT ASSESSMENT COMMENTS:

TESTED- 18/40/63. DOWNLOAD-20/40/60

MECH DEPT RESOLUTION COMMENTS:

WITHIN FRA LIMITS

COMPONENT(S) USED:

INDICATOR, SPEED, ENGINEER, SI-80

RESOLVED: 02-16-2017 02:58 BY: MBC96

ME 02-04-2017 LIGHTING TROUBLE

UNIT TROUBLE COMMENTS:

LCDI CAT: LIGHTING PROBLEMS, DEF: HEADLIGHT,OUT SHORT HOOD END,SWITCH SEEMS TO BE BAD, DITCH LIGHTS WON'T COME ON IN BRIGHT POSITION ALL LIGHT POSITIONS WILL NOT LIGHT.

MECH DEPT ASSESSMENT COMMENTS:

WIRES BURNT OFF MAIN H/L RESISTER

MECH DEPT RESOLUTION COMMENTS:

SPLICED SOME SHORT BURNT WIRES, PUT NEW TERMINALS ON BURNT OF ENDS.

COMPONENT(S) USED:

RESISTOR, HEADLIGHT ASSEMBLY,

RESOLVED: 02-16-2017 02:07 BY: MBC96

ME 01-19-2017 ELECTRICAL WIRING TROUBLE

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UNIT TROUBLE COMMENTS:

WHEEL SLIP LONG HOOD END ONLY

MECH DEPT ASSESSMENT COMMENTS:

ENGINE LOADS FINE SHORT HOOD OUT, LONG HOOD WIL ONLY LOAD AROUND 300 AMPS.  
OUT OF SAND

MECH DEPT RESOLUTION COMMENTS:

SANDED AND LOADED ENGINE BOTH DIRECTIONS UP TO 900 AMPS WITHOUT WHEEL SLIP

COMPONENT(S) USED:

CAP, SAND FILL

RESOLVED: 01-28-2017 06:09 BY: MBC96

TT 10-19-2016 DYNAMIC BRAKE TROUBLE (LDI 1-3

UNIT TROUBLE COMMENTS:

LCDI CAT: DYNAMIC BRAKE, DEF: LOADING TROUBLE,HEAVY LOADING, LIGHT  
LOADING,DYNAMIC BRAKE LOADS VERY IMPROPERLY. IT GOES WAY TOO HEAVY WHEN  
APPLYING, THEN DROPS ALMOST ALL THE WAY 0

MECH DEPT ASSESSMENT COMMENTS:

2ND OFFENDER. CONTACT LOCOMOTIVE RELIABILITY TEAM BEFORE RELEASING. (MARTY  
SMITH).INSPECT WIRING TO RH50 FOR PROPER CONECTIONS..... DOWN LOADED  
EVENT RECORDED. INSPECTED RH50 AND

MECH DEPT RESOLUTION COMMENTS:

REPLACED B/O RES9A1 RESISTER, TESTED AND AMPS VERY WITH DYNAMCI NOTCHES.  
TESTED OK

COMPONENT(S) USED:

RESISTER, DROP DOWN 50 OHM 10W

RESOLVED: 11-03-2016 19:41 BY: MAOBA

TT 10-14-2016 COMPRESSED AIR SYSTEM

UNIT TROUBLE COMMENTS:

LCDI CAT: AIR SYSTEM/BRAKES, DEF: LEAKING AIR,OTHER,IT SOUNDS AS THOUGH  
THERE IS AN AIR LEAK UNDER THE CAB FLOOR. THE UNIT CANNOT MAINTAIN AIR  
PRESSURE WHEN THE AUTOMATIC BRAKE IS

MECH DEPT ASSESSMENT COMMENTS:

CORRODED AIR LINE UNDER FLOOR FOR ACT. MU HOSES LEAKING BAD... P2A VALVE  
FULL OF CORROSION

MECH DEPT RESOLUTION COMMENTS:

REPAIRED OTHER LEAKING FITTINGS UNDER FLOOR AND REPLACED CORRODED PIPE TO  
RESOLVE AIR LEAK, RENEWED P2A VALVE

COMPONENT(S) USED:

VALVE, P2A BRAKE APPLICATION

RESOLVED: 10-15-2016 04:42 BY: MAXMR

TT 09-28-2016 DYNAMIC BRAKE TROUBLE (LDI 1-3

UNIT TROUBLE COMMENTS:

LCDI CAT: DYNAMIC BRAKE, DEF: LOADING TROUBLE,HEAVY LOADING,DYNAMIC LOADS  
WAY TOO HEAVY AT BOTH LOW AND HIGHER SPEEDS. THERE IS ALMOST NO PLAY IN  
THE AMPERAGE. .

MECH DEPT ASSESSMENT COMMENTS:

RH-50 NEEDS REPLACED---2ND OFFENDER. CONTACT LOCOMOTIVE RELIABILITY TEAM  
BEFORE RELEASING. (MARTY SMITH) MARTY OK'D TO OK.

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MECH DEPT RESOLUTION COMMENTS:

REPAIRED RH50

COMPONENT(S) USED:

RHEOSTAT, DYNAMIC BRAKE

RESOLVED: 10-15-2016 07:02 BY: MBC96

RHEOSTAT, DYNAMIC BRAKE

LAB ANALYSIS HISTORY

|            | PB | CU | FE | AL | SI | CR | B | ZN | V100 | %F  | HD | PPI | OS |
|------------|----|----|----|----|----|----|---|----|------|-----|----|-----|----|
| 03-15-2017 |    | 5  | 9  | 2  | 2  | 1  | 3 | 1  | 15.1 | 217 | 13 | 41  | 27 |
| 03-01-2017 | 1  | 5  | 7  | 2  | 2  | 1  | 3 | 1  | 15.2 | 215 | 12 | 38  | 26 |
| 02-16-2017 | 2  | 4  | 5  | 1  | 2  | 1  | 1 |    | 15.2 | 207 | 11 | 32  | 23 |
| 01-27-2017 | 1  | 3  | 3  |    | 1  |    |   |    | 15.3 | 213 | 12 | 33  | 24 |
| 01-08-2017 | 1  | 5  | 6  | 1  | 2  | 1  | 1 |    | 15.2 | 210 | 13 | 40  | 25 |
| 12-30-2016 | 2  | 6  | 6  | 1  | 2  | 1  |   |    | 15.3 | 212 | 13 | 46  | 27 |
| 12-13-2016 | 3  | 7  | 8  | 2  | 1  | 1  | 3 |    | 15.0 | 212 | 13 | 52  | 25 |
| 11-23-2016 | 3  | 7  | 7  | 2  | 2  | 1  | 1 |    | 14.9 | 201 | 9  | 33  | 19 |
| 10-30-2016 | 2  | 7  | 10 | 2  | 2  | 1  | 1 | 1  | 15.0 | 211 | 14 | 45  | 23 |
| 10-15-2016 |    | 6  | 7  | 2  | 2  |    | 1 | 1  | 15.0 | 211 | 13 | 43  | 23 |
| 10-02-2016 |    | 5  | 6  | 2  | 1  |    | 1 | 1  | 14.9 | 211 | 14 | 40  | 23 |
| 09-23-2016 | 2  | 7  | 11 | 3  | 3  | 1  | 2 | 1  | 14.9 |     |    |     |    |

NOTICES DUE

MDH MO 6865 K9 and K9.9 APU 240 VAC Distribution Upgrade

UNRESOLVED LAB DATA

03-15-2017: ADD 4 GALS OR 4 POUCHES OR 24 BAGS OF BORON TREATMENT.  
 SYSTEM: COOLING