

| LAB CONTROL NUMBER | SAMPLE DATE | PROCESS DATE | EQUIPMENT METER | METER ON FLUID | FLUID CHANGED | MAKE UP FLUID | MAKE UP FLUID UNITS | FILTER CHANGED |
|---------------------|---|--------------|-----------------|----------------|---------------|---------------|---------------------|----------------|
| B150-49165-0215 | 11-Jun-2019 | 14-Jun-2019 | 98000 HR | 10430 HR | Yes | | | |
| No Action Required | NORMAL WEAR METAL READINGS. CONTINUE NORMALLY SCHEDULED SAMPLING. | | | | | | | |
| B150-49002-0109 | 28-Dec-2018 | 02-Jan-2019 | 88718 HR | 11000 HR | Yes | | | |
| Monitor Compartment | ELEVATED SOOT LEVEL AFFECTED BY; A/F RATIO, POOR AIR INDUCTION, HI LOADS, BLOWBY, LOW ENG. TEMP. NORMAL WEAR METAL READINGS. SINCE THE OIL WAS CHANGED AT SAMPLE TIME, RESAMPLE IN 250 HOURS TO MONITOR. EVALUATION CAN BE RE-ASSESSED WHEN SAMPLING HAS FURTHER DEVELOPED A TREND. | | | | | | | |

| Wear Metals (ppm) | Cu | Fe | Cr | Al | Pb | Sn | Si | Na | K | Mo | Ni | Ca | Mg | Zn | P |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|------|----|-----|-----|
| B150-49165-0215 | 1 | 30 | 0 | 4 | 3 | 0 | 0 | 5 | 8 | 0 | 1 | 1249 | 23 | 913 | 961 |
| B150-49002-0109 | 2 | 22 | 1 | 6 | 5 | 2 | 0 | 0 | 18 | 4 | 1 | 1459 | 50 | 781 | 645 |

| Oil Condition / Particle Count (ct/ml) | ST | OXI | NIT | SUL | W | A | F | V100 |
|--|----|-----|-----|-----|---|---|---|------|
| B150-49165-0215 | 60 | 33 | 14 | 32 | N | N | N | 14.5 |
| B150-49002-0109 | 69 | 32 | 14 | 31 | N | N | N | 15.3 |

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NatW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.