ELKHORN PAVING CO

P.O. BOX 168
NORFOLK, NE 68702

FAX: 402-371-4916
PHONE: 402-871-7710

SAMPLE TYPE: OIL

COMPANY NAME :	ELKHORN PAVING CO
CUSTOMER EQUIP NUM :	EHE4
COMPARTMENT NAME :	HYDRAULIC SYSTEM
SERIAL NUMBER :	BW142_EPC
MANUFACTURER :	BOMAG
MODEL :	BW142_BOMAG
JOB SITE :	DEUTZ
EXT WARR NUMBER :	

SHOP JOB NUM :	
COMP SERIAL NUM :	
COMPARTMENT MODEL :	
COMP MANUFACTURER :	
SAMPLE LABEL NUM :	0010
FLUID BRAND/WEIGHT :	CAT/MTO
FLUID TYPE :	
EXT WARR EXPIRE DATE :	
FUEL CONSUMED :	0.0

Fluids Analysis Laboratory
11002 Sapp Bros Drive
Omaha, NE 68138-3828
402-891-8600
www.nebraska-machinery.com

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E330-41349-0010	12/13/11	12/15/11	1857 HR		No			Yes
No Action Required	UNKNOWN HOURS ON OIL. PARTICLE COUNT IS ELEVATED. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL. A NEW INFRARED METHOD OF ANALYSIS WAS IMPLEMENTED; TREND WILL NEED TO BE RE-ESTABLISHED.							
E330-39014-0003	1/9/09	1/14/09	1832 HR		No			Yes
No Action Required	NORMAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.							
E330-38018-0002	1/14/08	1/18/08	1790 HR		No			Unknown
No Action Required	UNKNOWN HOURS ON OIL. NORMAL READINGS. SUGGEST TO RESAMPLE AT REGULAR SERVICE INTERVALS TO ESTABLISH METAL WEAR TREND.							

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ag	Ca	Mg	Zn	P
E330-41349-0010	35	15	0	1	4	0	14	9	1	1	0	3023	28	1349	1076
E330-39014-0003	26	11	0	1	3	0	11	7	1	2	0	2924	51	1334	1070
E330-38018-0002	23	10	0	1	3	0	9	7	1	1	1	2929	29	1282	1027

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	V100	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
E330-41349-0010	0	12	6	19	N	N	7.8	23/20/13	47153	6306	221	74	26	10	1	1
E330-39014-0003					N	N	7.8	22/18/13	32239	1360	194	75	36	23	2	1
E330-38018-0002	0	0	0	8	N	N	8.1	22/18/15	31762	2035	414	173	81	45	4	2

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 , NaW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C