

**MIDWEST CONCRETE MATERIALS**  
**MAX**  
**PO BOX 668**  
**MANHATTAN, KS 66505-0668**

FAX: 785-776-1816  
 PHONE: 785-776-8811

SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days): 6

COMPANY NAME: MIDWEST CONCRETE MATERIALS  
 CUSTOMER EQUIP NUM: G940  
 COMPARTMENT NAME: ENGINE  
 SERIAL NUMBER: 40716  
 MANUFACTURER: VOLVO  
 MODEL: G940  
 JOB SITE:  
 EXT WARR NUMBER:  
 SHOP JOB NUM: MANHATTAN  
 COMP SERIAL NUM:  
 COMPARTMENT MODEL:  
 COMP MANUFACTURER:  
 SAMPLE LABEL NUM:  
 FLUID BRAND/WEIGHT: MOBIL/10W-30  
 FLUID TYPE:  
 EXT WARR EXPIRE DATE:  
 FUEL CONSUMED:

**FOLEY**  
EQUIPMENT

**CAT**

**SOS Services Laboratory**  
**1550 S. West St.**  
**Wichita, KS 67213-1668**  
**316-943-4211**  
**www.foleytractor.com**

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E130-45180-1077	6/23/15	6/29/15	3765 HR	479 HR	Yes			Yes
No Action Required NO PROBLEMS INDICATED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.								
E130-44209-1026	7/23/14	7/28/14	3286 HR	342 HR	Yes			Yes
No Action Required WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT NORMAL INTERVAL.								
E130-43311-1023	10/30/13	11/7/13	2944 HR	687 HR	Yes			Yes
No Action Required WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT NORMAL INTERVAL.								
E130-43098-1116	3/25/13	4/8/13	2257 HR	245 HR	Yes			Yes
No Action Required WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT NORMAL INTERVAL.								

	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
E130-45180-1077	1	9	2	1	2	0	3	8	0	35	50	0	0	1326	837	1144	930
E130-44209-1026	1	7	2	1	0	0	3	17	0	40	46	0	0	1447	869	1226	1032
E130-43311-1023	9	10	2	0	1	0	4	21	1	38	48	0	0	1456	857	1224	975
E130-43098-1116	43	26	3	0	0	1	6	17	3	29	54	0	0	1483	842	1204	993

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	V100	PQI
E130-45180-1077	5	17	9	19	N	N	N	12.3	
E130-44209-1026	3	16	8	20	N	N	N	12.0	
E130-43311-1023	5	16	9	21	N	N	N	12.4	
E130-43098-1116	18	18	10	21	N	N	N	13.3	22

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

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SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days) 5

COMPANY NAME: MIDWEST CONCRETE MATERIALS  
 CUSTOMER EQUIP NUM: G940  
 COMPARTMENT NAME: TRANSMISSION  
 SERIAL NUMBER: 40716  
 MANUFACTURER: VOLVO  
 MODEL: G940  
 JOB SITE:  
 EXT WARR NUMBER:  
 SHOP JOB NUM: MANHATTAN  
 COMP SERIAL NUM:  
 COMPARTMENT MODEL:  
 COMP MANUFACTURER:  
 SAMPLE LABEL NUM:  
 FLUID BRAND/WEIGHT: MOBIL/ATF  
 FLUID TYPE:  
 EXT WARR EXPIRE DATE:  
 FUEL CONSUMED:

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E130-44209-3023	7/23/14	7/28/14	3286 HR	1029 HR	Yes			Yes
No Action Required WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE IN 500 HRS.								
E130-43098-3003	3/25/13	4/8/13	2257 HR	1307 HR	Yes			Yes
No Action Required FIRST SAMPLE/NO TREND ESTABLISHED. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS. RESAMPLE IN 500 HRS TO ESTABLISH A TREND.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
E130-44209-3023	0	4	0	1	2	1	1	1	0	125	0	0	0	59	0	29	309
E130-43098-3003	7	12	0	1	10	1	7	0	2	88	2	0	0	259	2	124	321

Oil Condition / Particle Count (c/uml)	ST	OXI	NIT	SUL	W	A	V100	ISO	4μ	6μ	10μ	14μ	18μ	21μ	38μ	50μ
E130-44209-3023	0	70	4	63	N	N	7.9	22/16/11	22716	408	36	13	7	4	1	1
E130-43098-3003	0	57	4	51	N	N	8.1	21/16/13	16372	359	110	77	65	59	35	26

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

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SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days) 5

COMPANY NAME: MIDWEST CONCRETE MATERIALS  
 CUSTOMER EQUIP NUM: G940  
 COMPARTMENT NAME: HYDRAULIC SYSTEM  
 SERIAL NUMBER: 40716  
 MANUFACTURER: VOLVO  
 MODEL: G940  
 JOB SITE:  
 EXT WARR NUMBER:  
 SHOP JOB NUM: MANHATTAN  
 COMP SERIAL NUM:  
 COMPARTMENT MODEL:  
 COMP MANUFACTURER:  
 SAMPLE LABEL NUM:  
 FLUID BRAND/WEIGHT: MOBIL/32-ISO  
 FLUID TYPE:  
 EXT WARR EXPIRE DATE:  
 FUEL CONSUMED:

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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E130-44209-2011	7/23/14	7/28/14	3286 HR	1029 HR	Yes			Yes
No Action Required WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT NORMAL INTERVAL.								
E130-43087-2004	3/25/13	3/28/13	2257 HR	1307 HR	Yes			Yes
No Action Required FIRST SAMPLE/NO TREND ESTABLISHED. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS. RESAMPLE IN 500 HRS TO ESTABLISH A TREND.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
E130-44209-2011	1	4	0	1	0	0	3	4	0	9	0	0	0	409	5	362	510
E130-43087-2004	2	8	0	4	1	0	8	3	2	27	0	0	0	1025	18	924	700

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	V100	ISO	4μ	6μ	10μ	14μ	18μ	21μ	38μ	50μ
E130-44209-2011	0	17	4	28	N	N	7.2	22/20/16	33160	6459	1735	556	214	121	30	19
E130-43087-2004	0	18	4	26	N	N	7.8	19/17/14	4467	1160	310	122	59	36	3	1

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SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days) 5

COMPANY NAME: MIDWEST CONCRETE MATERIALS  
 CUSTOMER EQUIP NUM: G940  
 COMPARTMENT NAME: TANDEM LEFT  
 SERIAL NUMBER: 40716  
 MANUFACTURER: VOLVO  
 MODEL: G940  
 JOB SITE:  
 EXT WARR NUMBER:  
 SHOP JOB NUM: MANHATTAN  
 COMP SERIAL NUM:  
 COMPARTMENT MODEL:  
 COMP MANUFACTURER:  
 SAMPLE LABEL NUM:  
 FLUID BRAND/WEIGHT: MOBIL/424  
 FLUID TYPE:  
 EXT WARR EXPIRE DATE:  
 FUEL CONSUMED:

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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E130-44209-4032	7/23/14	7/28/14	3286 HR	1029 HR	Yes			
No Comment								
E130-43087-4008	3/26/13	3/28/13	2257 HR	1307 HR	Yes			
No Action Required								

FIRST SAMPLE/NO TREND ESTABLISHED. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS. RESAMPLE IN 500 HRS TO ESTABLISH A TREND.

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
E130-44209-4032	0	93	0	1	1	0	16	9	1	98	5	0	0	3505	21	1480	1249
E130-43087-4008	1	248	1	1	0	0	31	9	2	116	4	0	0	4344	44	1844	1474

Oil Condition / Particle Count (ct/ml)	W	V100	PQI
E130-44209-4032	N	9.9	111
E130-43087-4008	N	9.7	188

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

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SAMPLE TYPE: OIL  
SAMPLE SHIP TIME (days): 5

COMPANY NAME: MIDWEST CONCRETE MATERIALS  
CUSTOMER EQUIP NUM: G940  
COMPARTMENT NAME: TANDEM RIGHT  
SERIAL NUMBER: 40716  
MANUFACTURER: VOLVO  
MODEL: G940  
JOB SITE:  
EXT WARR NUMBER:

SHOP JOB NUM: MANHATTAN

COMP SERIAL NUM:  
COMPARTMENT MODEL:  
COMP MANUFACTURER:  
SAMPLE LABEL NUM:  
FLUID BRAND/WEIGHT: MOBIL/424  
FLUID TYPE:  
EXT WARR EXPIRE DATE:  
FUEL CONSUMED:

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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E130-44209-4035	7/23/14	7/28/14	3286 HR	1029 HR	Yes			
No Action Required WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT NORMAL INTERVAL.								
E130-43087-4001	3/25/13	3/28/13	2257 HR	1307 HR	Yes	0.0		
No Action Required FIRST SAMPLE/NO TREND ESTABLISHED. DATA APPEARS TO SHOW NORMAL BREAK-IN WEAR. RESAMPLE IN 500 HRS TO ESTABLISH A TREND.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
E130-44209-4035	0	78	0	0	1	0	17	8	0	98	3	0	0	3438	22	1450	1218
E130-43087-4001	1	172	1	1	0	0	24	7	2	97	4	0	0	3588	35	1526	1250

Oil Condition / Particle Count (ct/ml)	W	V100	PQI
E130-44209-4035	N	9.8	127
E130-43087-4001	N	9.4	209

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