

MIDWEST CONCRETE MATERIALS EQUIPMENT MAINTENANCE FORM

EQUIPMENT NUMBER
SERIAL NUMBER
MODEL NUMBER

962 G
0962 GE-4PW00558
2002-962 G

OIL

ENGINE OIL
TRANSMISSION OIL
DIFFERENTIAL OIL
FINAL DRIVE OIL
HYDRAULIC OIL
POWER STEERING OIL
SWING CASE OIL

10W30 8.5 gal 34 qts
HD30 40 qts
1350 HD30 42 qts
424 100 qts

FILTER NUMBERS

ENGINE OIL FILTER
FUEL PRIMARY FILTER
FUEL SECONDARY FILTER
TRANSMISSION FILTER
HYDRAULIC FILTER
AIR INNER FILTER
AIR OUTER FILTER
WATER FILTER
DIFFERENTIAL OIL FILTER
SWING CASE OIL FILTER
POWER STEERING FILTER

1R0739 - 1W8845
1R0753 - 1R0751
151-2409
1G8878
1G8878
6I2502
128-2686

Cab Filter

107-0266 - 112-7448

Tire Pressure

Front 60 - Rear 40 23.5 R25

BELT NUMBERS

ALTERNATOR BELT
FAN BELT
AIR COMPRESSOR BELT
POWER STEERING BELT
AIR CONDITIONER BELT

198-6827

Water Pump Belt

1P-4334
036-6775

Cutting edges (2) inner - 139-9230 (2) Ends 4T8101

(12) Bolts 4F-4042 (12) Nuts 2J-3507

RADIATOR HOSES

LOWER HOSE
UPPER HOSE
OIL COOLER HOSE

EQUIPMENT #	DATE	HRS	OIL		OIL FILTERS	FUEL FILTERS	AIR FILTER	WATER FILTER	LUBE	TRANS	DIFF	HYDR	MIXER GEAR BOX	BATTERY	BELTS	POWER STEERING	OIL SAMPLE	INITIALS
3426	7-8-02	143	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	7-29-02	311	chg	chg	chg	chg	New	—	—	OK	OK	OK	—	OK	OK	—	✓	
	8-21-02	488	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	changed	OK	—	✓	
	9-18-02	644	chg	chg	chg	chg	New	—	—	OK	OK	OK	—	OK	OK	—	✓	
	10-19-02	781	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	11-14-02	930	chg	chg	chg	chg	New	—	—	OK	OK	OK	—	OK	OK	—	✓	
	12-11-02	1065	chg	chg	chg	chg all 3	New	—	Upjoints chg all 3	OK	OK	OK	—	changed	OK	—	✓	
	1-13-03	1217	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	2-7-03	1365	chg	chg	chg	chg	New	—	—	OK	OK	OK	—	OK	OK	—	✓	
	3-14-03	1511	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	4-15-03	1662	chg	chg	chg	chg	New	—	—	OK	OK	OK	—	OK	OK	—	✓	
	5-17-03	1815	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	6-18-03	1968	chg	chg	chg	—	New	—	—	OK	OK	OK	—	OK	OK	—	✓	
	7-15-03	2117	chg	chg	chg	chg all 3	Both New	—	Upjoints chg all 3	OK	OK	OK	—	changed	OK	—	✓	
	8-8-03	2288	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	8-30-03	2446	chg	chg	chg	chg both	New	—	—	OK	OK	OK	—	OK	OK	—	✓	
	9-24-03	2607	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	10-17-03	2773	chg	chg	chg	—	New	—	✓	OK	OK	OK	—	OK	OK	—	✓	
	11-7-03	2924	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	12-9-03	3081	chg	chg	chg	chg all 3	New	—	Upjoints chg all 3	OK	OK	OK	—	OK	OK	—	✓	
	1-10-04	3248	chg	chg	chg	—	changed	—	—	OK	OK	OK	—	OK	OK	—	✓	
	2-23-04	3392	chg	chg	chg	—	New	—	—	OK	OK	OK	—	changed	OK	—	✓	
	3-22-04	3550	chg	chg	chg	chg	—	—	—	OK	OK	OK	—	OK	OK	—	✓	
	4-14-04	3704	chg	chg	chg	—	New	—	—	OK	OK	OK	—	changed	OK	—	✓	
	5-10-04	3860	chg	chg	chg	—	—	—	—	OK	OK	OK	—	OK	OK	—	✓	
	6-20-04	3984	chg	chg	chg	chg all 3	chg both	—	Upjoints chg all 3	OK	OK	OK	—	changed	OK	—	✓	

EQUIPMENT #	9426	346	OIL	FILTERS	FUEL	AIR	WATER	LUBE	TRANS	DIFF	HYDR	MIXER	BATTERY	BELTS	POWER	OIL	INITIALS
DATE	HRS				FILTERS	FILTER	FILTER					GEAR BOX			STEERING	SAMPLE	
7-9-04	4136	chg	chg	chg	—	—	—	—	ok	ok	ok	—	cleared	ok	—	✓	
8-4-04	4285	chg	chg	—	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
9-3-04	4440	chg	chg	chg	—	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
10-20-04	4685	chg	chg	—	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
11-17-04	4841	chg	chg	—	—	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
12-11-04	4972	chg	chg	chg	dg 1/3	New	—	U joints dg 1/4	ok	ok	dg F.	—	ok	ok	—	✓	
1-15-05	5118	chg	chg	—	—	—	—	—	ok	ok	ok	—	cleared	ok	—	✓	
2-21-05	5281	chg	chg	chg	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
3-18-05	5452	chg	chg	—	—	—	—	—	ok	ok	ok	—	cleared	ok	—	✓	
4-18-05	5605	chg	chg	chg	chg	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
5-13-05	5770	chg	chg	—	—	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
6-9-05	5928	chg	chg	chg	dg 3	New	—	U joints dg 1/4	dg oil dg 1/4	dg oil dg 1/4	dg F.	—	cleared	dg New	—	✓	
6-30-05	6091	chg	chg	—	—	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
7-12-05	6166	chg	chg	—	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
8-1-05	6322	chg	chg	—	dg 2	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
8-22-05	6482	chg	chg	—	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
9-13-05	6627	chg	chg	—	dg 2	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
10-7-05	6790	chg	chg	—	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
11-5-05	7004	chg	chg	—	—	—	—	U joints	ok	ok	ok	—	ok	ok	—	✓	
11-25-05	7138	chg	chg	chg	dg 3	New	—	—	dg 1/4	ok	dg F.	—	ok	ok	—	✓	
12-19-05	7285	chg	chg	—	—	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
1-16-06	7454	chg	chg	—	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
2-3-06	7604	chg	chg	—	chg	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
2-27-06	7750	chg	chg	—	—	—	—	—	ok	ok	ok	—	ok	ok	—	✓	
3-15-06	7868	chg	chg	—	—	New	—	—	ok	ok	ok	—	ok	ok	—	✓	
4-3-06	7993	chg	chg	—	chg	new	—	U joints	ok	ok	ok	—	cleared	ok	—	✓	
5-6-06	8196	chg	chg	—	—	—	—	—	ok	ok	ok	—	ok	ok	—	✓	

1000 hrs.

2000 hrs.

1000 hrs.

EQUIPMENT # 9626-349ts

DATE	HOURS	OIL	OIL FILTER	FUEL FILTER	AIR FILTER	HYDR	TRANS	FINAL DRIVES	DIFF	LUBE	SPLITTER	OIL SAMPLE	INITIALS
6-6-06	8422	chg	chg	chg 3	New	dgilt.F. OK	dgilt.F. OK	—	chgil OK	Ujoints	—	✓	
6-21-06	8553	chg	chg	—	—	OK	OK	—	OK	—CP	—	✓	
7-10-06	8682	chg	chg	chg 2	New	OK	OK	—	OK	—CP	—	✓	
7-27-06	8841	chg	chg	—	NEW	OK	OK	—	OK	—CP	—	✓	
8-14-06	8982	chg	chg	—	—	OK	OK	—	OK	—CP	—	✓	
9-5-06	9140	chg	chg	—	—	OK	OK	—	OK	—CP	—	✓	
9-21-06	9262	chg	chg	chg 2	NEW	OK	OK	—	OK	—CP	—	✓	
10-12-06	9414	chg	chg	ch prime.	2 New	chg.F. OK	dgilt.F. OK	—	OK	Ujoints	—	✓	
11-3-06	9567	chg	chg	—	—	OK	OK	—	OK	—CP	—	✓	
11-25-06	9715	chg	chg	—	New	OK	OK	—	OK	CP	—	✓	
12-18-06	9854	chg	chg	chg 2	—	OK	OK	—	OK	CP	—	✓	
1-13-07	10015	chg	chg	—	New	OK	OK	—	OK	CP	—	✓	
2-10-07	10157	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
3-21-07	10362	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
5-1-07	10590	chg	chg	chg 3	2 NEW	dgilt.F. OK	dgilt.F. OK	—	chgil OK	Comp 4T	—	✓	
5-24-07	10750	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
6-27-07	10950	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
7-16-07	11125	chg	chg	chg 2	NEW	OK	OK	—	OK	CP	—	✓	
8-1-07	11302	chg	chg	—	—	OK	OK	—	OK	COMP.	—	✓	
9-7-07	11522	chg	chg	chg 3	2 NEW	chg.F. OK	chgilt.F. OK	—	OK	Ujoints	—	✓	
10-5-07	11728	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
11-3-07	11942	chg	chg	chg 2	New	OK	OK	—	OK	CP	—	✓	
11-30-07	12134	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
1-3-08	12302	chg	chg	chg 2	New	OK	OK	—	OK	CP	—	✓	
1-28-08	12445	chg	chg	chg 3	2 New	dgilt.F. OK	dgilt.F. OK	—	chgil OK	CP 4T	—	✓	
2-23-08	12595	chg	chg	—	—	OK	OK	—	OK	Comp CP	—	✓	
3-26-08	12805	chg	chg	—	—	OK	OK	—	OK	Comp CP	—	✓	
4-15-08	12939	chg	chg	chg 2	New	OK	OK	—	OK	Comp CP	—	✓	
5-16-08	13095	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
5-27-08	13231	chg	chg	—	NEW	OK	OK	—	OK	COMP CP	—	✓	
6-18-08	13393	chg	chg	chg 2	—	chg.F. OK	dgilt.F. OK	—	OK	Comp CP	—	✓	
7-15-08	135160	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
8-5-08	13707	chg	chg	chg 2	2 NEW	OK	OK	—	OK	Comp CP	—	✓	
8-25-08	13853	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	

2000 hr.

1000 hr.

2000 hr.

1000 hr.

2000 hr.

1000 hr.

1000 hr.

EQUIPMENT # 9626 #114 3492

DATE	HOURS	OIL	OIL FILTER	FUEL FILTER	AIR FILTER	HYDR	TRANS	FINAL DRIVES	DIFF	LUBE	SPLITTER	OIL SAMPLE	INITIALS
9-17-08	13995	chg	chg	chg 2	NEW	OK	OK	—	OK	comp	—	✓	
10-7-08	14140	chg	chg	—	—	OK	OK	—	OK	comp CP	—	✓	
11-1-08	14298	chg	chg	—	New	OK	OK	—	OK	Comp.CP	—	✓	
11-21-08	14438	chg	chg	chg 3	2 New	chg oil	chg oil	—	OK	Comp.CP	—	✓	
1-2-09	14610	chg	chg	—	—	OK	OK	—	OK	comp CP	—	✓	
1-30-09	14770	chg	chg	—	—	OK	OK	—	OK	Comp.CP	—	✓	
5-21-09	14921	chg	chg	chg 2	New	OK	OK	—	OK	Comp.CP	—	✓	
12-7-09	15074	chg	chg	chg 2	changed	OK	OK	—	OK	Comp.CP	—	✓	
6-19-10	15255	chg	chg	chg 2	New	OK	OK	—	OK	Comp.CP	—	✓	
9-3-10	15388	chg	chg	chg 3	2 New	chg F.	chg oil	—	OK	CP-4J	—	✓	
3-12-11	15650	chg	chg	—	—	OK	OK	—	OK	CP	—	✓	
6-30-11	15792	chg	chg	chg 2	1 New	OK	OK	—	OK	CP Comp	—	✓	
12-15-11	16012	chg	chg	chg 2	1 New	OK	OK	—	OK	CP Comp	—	✓	
4-13-12	16193	chg	chg	chg 2	1 New	OK	OK	—	OK	CP Comp	—	✓	
6-12-12	16284	chg	chg	chg 3	2 New	chg oil	chg oil	—	chg oil	CP-US	—	✓	
11-3-12	16430	chg	chg	chg 2	1 New	OK	OK	—	OK	Comp.CP	—	✓	
3-16-13	16619	chg	chg	chg 2	1 New	OK	OK	—	OK	Comp.CP	—	✓	
8-1-13	16757	chg	chg	—	changed	OK	OK	—	OK	CP	—	✓	
4-22-14	16928	chg	chg	chg 2	NEW	OK	OK	—	OK	comp CP	—	✓	
3-5-15	17104	chg	chg	chg	New	OK	OK	—	OK	comp	—	NO	
3-25-15	17130	—	—	—	—	—	chg oil	HD 307	chg oil	Comp	—	✓	
6-30-15	17235	chg	chg	—	New	OK	OK	—	OK	Comp	—	✓	
1-29-16	17413	chg	chg	chg 2	1 New	OK	OK	—	OK	—	—	✓	
8-17-16	17484	chg	chg	chg 3	2 New	chg oil	chg oil	—	chg oil	CP US	—	✓	
6-14-17	17662	chg	chg	chg 2	2 New	OK	OK	—	OK	CP	—	✓	
3-27-18	17856	chg	chg	chg 3	1 New	OK	OK	—	OK	CP	—	✓	
9-7-18	18116	chg	chg	chg 3	1 New	OK	OK	—	OK	CP	—	✓	
12-3-18	18288	chg	chg	chg 3	1 New	OK	OK	—	OK	CP	—	✓	

2000hr.

1000hr.

2000hr.

2000hr.

Date	Miles/Hrs.	DESCRIPTION OF REPAIRS MADE
6-18-03	1968	Turned cutting edges - used new bolts
7-15-03	2117	adj valve + injectors (Martin Tractor)
10-14-03	2728	New cutting edges + bolts + nuts x4
6-3-04	3984	adj valves + inj. Jeff - Martin Tractor
10-9-04	4540	turned cutting edges new bolts + nuts
1-21-05	5145	New cutting edges new bolts + nuts
3-19-05	5452	New starter
6-10-05	5928	adj valves + injectors - Jeff - Martin Tractor
7-10-05	6146	New turbo - D.L.
11-5-05	7004	Turned cutting edges - new bolts + nuts
4-8-06	7994	New Pens & Bush Lower Bucket + Both ends till Link (Dog Bone)
5-18-06	8200	New cutting edges nuts + bolts
6-12-06	8422	New Belts - 2 New Batteries - Run Overhead - Chris - Martins
12-18-06	9854	Turned cutting edges new bolts + nuts - M.P. DB
5-1-07	10590	Adj valves + injectors Martins - New Belts
5-23-07	10750	New water pump
6-16-06	10900	New ALT.
8-6-07	11290	New cutting edges, bolts + nuts - M.O. D.L. B.B.
1-28-08	12445	Run overhead Sooty (Martins) - All new belts
6-18-08	13393	New cutting edges, bolts + nuts - M.O.
11-21-08	14438	All new belts
3-11-09	14856	Turned cutting edges - M.O. - D.B.

DESCRIPTION OF REPAIRS MADE

Mileage		
14868	2 New batteries m o 2 O B	
14800	A	
15400	All new belts max	
15792	New cutting edges - bolts + nuts	
16284	NEW TRAMV + DIE BREATHERS - Ran overhead - Chris-Foley's New Belts	
16619	New Belts New seat Belts	
16617	Rebuilt tilt cylinder - Foley paper work in back	
16797	2 New batteries - M. D. J.	
17130	New ELC 1-32	
17484	CLEAN TRANS. BREATHER + SCREEN. ALL NEW ENG. BELTS	

V

SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days): 6

CUSTOMER EQUIP NUM: 150-114
COMPARTMENT NAME: ENGINE
SERIAL NUMBER: 4PW00558
MANUFACTURER: CATERPILLAR
MODEL: 962G

COMP SERIAL NUM:
COMPARTMENT MODEL:
COMP MANUFACTURER:
SAMPLE LABEL NUM:
FLUID BRAND/WEIGHT: MOBIL 10W-30
FLUID TYPE:
EXT WARR EXPIRE DATE:
FUEL CONSUMED:

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E130-48348-1038	08-Dec-2018	14-Dec-2018	18288 HR	172 HR	Yes			Yes
No Action Required	WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE IN 250 HRS.							
E130-48256-1032	07-Sep-2018	13-Sep-2018	18116 HR	260 HR	Yes			Yes
No Action Required	WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE IN 250 HRS.							
E130-48093-1040	27-Mar-2018	03-Apr-2018	17856 HR	194 HR	Yes			Yes
No Action Required	WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE AT NORMAL INTERVAL.							
E130-47171-1056	15-Jun-2017	20-Jun-2017	17662 HR	178 HR	Yes			Yes
No Action Required	WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE IN 250 HRS.							

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
E130-48348-1038	1	4	0	1	1	0	2	4	1	55	43	0	0	1703	530	939	804
E130-48256-1032	1	5	0	1	0	0	1	7	0	49	39	0	0	1718	502	939	811
E130-48093-1040	1	6	0	0	1	1	2	6	1	45	37	0	0	1615	564	942	803
E130-47171-1056	1	6	0	1	0	1	2	0	3	48	43	0	0	1424	869	1163	988

Oil Condition / Particle Count (c/ml)	ST	OXI	NIT	SUL	W	A	F	V100
E130-48348-1038	5	19	6	21	N	N	N	11.3
E130-48256-1032	8	19	6	21	N	N	N	11.2
E130-48093-1040	15	19	6	21	N	N	N	11.1
E130-47171-1056	14	15	7	18	N	N	N	11.7

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulphur, 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, PVI = Particle Volume Indicator

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.

COMPANY NAME : MIDWEST CONCRETE MATERIALS - M/
CUSTOMER EQUIP NUM : 150-114
COMPARTMENT NAME : TRANSMISSION POWER SHIFT
SERIAL NUMBER : 4PW00558
MANUFACTURER : CATERPILLAR
MODEL : 962G
SHOP JOB NUM : MANHATTAN
COMP SERIAL NUM :
COMPARTMENT MODEL :
COMP MANUFACTURER :
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT : MOBIL/30
FLUID TYPE :
EXT WARR EXPIRE DATE :
FUEL CONSUMED :

SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days) : 5

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E130-46235-3001	17-Aug-2016	22-Aug-2016	17484 HR	354 HR	Yes			Yes
No Action Required	WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE IN 500 HRS.							
E130-45096-3008	25-Mar-2015	06-Apr-2015	17130 HR	846 HR	Yes			Yes
No Action Required	WEAR PATTERN IS ACCEPTABLE AT THIS TIME. RESAMPLE IN 500 HRS.							
E130-42167-3002	12-Jun-2012	15-Jun-2012	16284 HR	896 HR	Yes			Yes
Monitor Compartment	DATA IS CONSISTENT WITH THE PREVIOUS TREND FOR THIS COMPARTMENT. RESAMPLE AT THE NORMAL TIME. PARTICLE COUNT IS HIGH AT THE 6 MICRON LEVEL. CK TO SEE IF THE OIL WASN'T ALL THE WAY UP TO FULL OPERATING TEMPERATURE. RESAMPLE IN 30 DAYS TO CHECK READINGS AGAIN.							

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
E130-46235-3001	3	6	0	0	1	0	3	6	3	4	2	0	0	2941	33	1191	1022
E130-45096-3008	6	9	0	1	1	1	2	11	4	7	5	0	0	2939	44	1295	984
E130-42167-3002	11	8	1	1	2	2	4	30	0	11	23	0	0	3020	31	1250	924

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	V100	ISO	4μ	6μ	10μ	14μ	18μ	21μ	38μ	50μ
E130-46235-3001	0	4	5	17	N	N	11.4	21/18/15	17618	2156	390	163	85	57	12	5
E130-45096-3008	0	4	5	18	N	N	11.4	21/19/15	16418	2536	526	223	118	87	33	23
E130-42167-3002	0	4	5	18	N	N	11.6	22/20/18	30895	9863	3226	1542	808	536	105	47

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Li = Lithium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, S = Sulphur, 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.
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.