

**ROGER BROOKS
ROGER BROOKS
403 HANDY PT LN
BATH, NC 27808**

COMPANY NAME : ROGER BROOKS
CUSTOMER EQUIP NUM : Z06 CORVETTE
COMPARTMENT NAME : ENGINE GASOLINE
SERIAL NUMBER : Z06_CORVETTE
MANUFACTURER : CHEVROLET
MODEL : Z06_CORVETTE
JOB SITE :
EXT WARR NUMBER :

SHOP JOB NUM :
COMP SERIAL NUM :
COMPARTMENT MODEL :
COMP MANUFACTURER :
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT : MOBIL/5W-30
FLUID TYPE :
EXT WARR EXPIRE DATE :



**Fluid Analysis Laboratory
P.O. Box 469
Raleigh, NC 27602
919-836-4494 OR 800-451-7278
<http://gregorypoole.cat.com/>**

FAX:
PHONE: 252-945-0571
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days): 4

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D180-45187-0724	7/2/15	7/6/15	52700 MI	1000 MI	Yes			Yes
Monitor Compartment	SILICON AND IRON ARE ELEVATED. POSSIBLE BREAK IN WEAR. RESAMPLE IN 1,000 MILES TO MONITOR.							
D180-45096-0726	3/29/15	4/6/15	51620 MI	4000 MI	No	0.0		No
Monitor Compartment	IRON IS ELEVATED AND MAY INDICATE CRANKSHAFT/CAMSHAFT WEAR. CHANGE OIL AND FILTER(S) AND RESAMPLE IN 2,000 MILES TO MONITOR.							
D180-45084-0717	3/22/15	3/25/15	51000 MI	3500 MI	No			No
Monitor Compartment	IRON IS ELEVATED AND MAY INDICATE CRANKSHAFT/CAMSHAFT WEAR. POSSIBLE BREAK IN WEAR. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.							
D180-44234-0233	8/18/14	8/22/14	46350 MI	1000 MI	Yes	0.0		Yes
No Action Required	UNKNOWN MILES ON THE OIL. NORMAL BREAK IN WEAR. MORE SAMPLES ARE NEEDED TO ESTABLISH A TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.							

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ca	Mg	Zn	P	Ba
D180-45187-0724	16	53	1	5	1	0	45	6	10	90	1	1647	741	859	777	5
D180-45096-0726	21	217	5	59	7	5	56	6	13	84	1	1442	728	873	796	4
D180-45084-0717	20	172	5	22	7	0	51	6	14	81	2	1458	676	918	762	4
D180-44234-0233	17	75	1	9	1	0	39	5	9	80	1	1439	719	780	728	4

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	PFC	V100
D180-45187-0724	0	10	8	16	N	N	N	1.63	10.3
D180-45096-0726	1	14	11	18	N	N	N	2.68	9.3
D180-45084-0717	0	13	11	18	N	N	N	3.01	9.2
D180-44234-0233	0	10	8	15	N	N	N	2.34	10.1

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

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.