

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

COMPANY NAME : ROGER BROOKS
CUSTOMER EQUIP NUM : 09 CORVETTE
COMPARTMENT NAME : ENGINE GASOLINE
SERIAL NUMBER : RBROOKS_09VETTE
MANUFACTURER : GENERAL MOTORS CORP.
MODEL : CORVETTE_GMC
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 : SYNTHETIC
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): 3

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
D180-46182-0428	27-Jun-2016	30-Jun-2016	56662 MI		Yes			Yes
Monitor Compartment	UNKNOWN MILES ON THE OIL. ALUMINUM, IRON AND CHROME ARE ELEVATED. POSSIBLE PISTON RING/LINER OR BEARING WEAR. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.							
D180-45260-0532	13-Sep-2015	17-Sep-2015	55110 MI		No			No
No Action Required	UNKNOWN HOURS ON THE OIL. ALL TESTS APPEAR NORMAL. 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
D180-46182-0428	13	198	6	48	2	2	44	4	7	85	2	1335	766	883	827	2
D180-45260-0532	5	26	1	3	1	0	22	4	4	65	1	999	621	657	624	1

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	F	PFC	V100
D180-46182-0428	0	12	10	17	N	N	N	1.78	9.3
D180-45260-0532	0	10	9	16	N	N	N	1.72	10.0

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.