


To learn where the elements are coming from, [click here](#) and scroll down.

UNIT	MAKE/MODEL: Ford 5.8L 351 CID V-8	OIL TYPE & GRADE: Gasoline Engine Oil
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,000 Miles
	ADDITIONAL INFO:	

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,000	UNIT / LOCATION AVERAGES		UNIVERSAL AVERAGES
	MI/HR on Unit	158,000			
	Sample Date	2/2/2026			
	Make Up Oil Added				
ALUMINUM	68	68			4
CHROMIUM	29	29			1
IRON	2121	2121			22
COPPER	81	81			7
LEAD	1225	1225			12
TIN	73	73			1
MOLYBDENUM	52	52			60
NICKEL	5	5			1
MANGANESE	14	14			3
SILVER	0	0			0
TITANIUM	1	1			1
POTASSIUM	11	11			4
BORON	33	33			57
SILICON	92	92			15
SODIUM	22	22			44
CALCIUM	1093	1093			1674
MAGNESIUM	260	260			321
PHOSPHORUS	482	482			798
ZINC	650	650			943
BARIUM	0	0			0



This sample came out of a newly acquired '88 F-350. The new owner thought it sounded good and made sure compressions were within normal ranges.

After getting the report and seeing iron and lead at nightmarishly high levels, alongside the other metals, which were also high, the owner proceeded with inspections. It turned out the connecting rod bearings, camshaft, and lifters (seen in the pictures above) were indeed heavily worn and the owner said, "Things are making more sense now... The wear follows suit of the oil analysis."

The owner said they're installing a, "...new set of heads, timing chain/cover, camshaft, lifters, freeze plugs, gasket set, push rods, and carburetor..." Once the engine gets the repairs it needs, hopefully they'll finally be able to enjoy their new truck at its best.