

# SPEEDiagnostix

How To Know You're Good To Go.

## Results Color Codes

Results outside the normal range are highlighted red

Results with borderline values are highlighted yellow

Results within the normal range are highlighted green

## Oil Analysis Report

Name:

Unit ID:

Sample Type:

Condition:

Engine

Good

Sample Information		Previous Samples		
Sample ID #:	AAA-8436	0	0	0
Sample Date:	8/8/24	1/0/00	1/0/00	1/0/00
Oil Brand:	Mobil	0	0	0
Viscosity Grade:	0W-40	0	0	0
Miles:	5070	0	0	0

Oil Health	Test Results	Previous Sample Results			Legend
Viscosity @ 100C:	⚠ 12.1	⚠ 0.0	⚠ 0.0	⚠ 0.0	cSt Flow Measurement
Oxidation Value:	✅ 16.0	✅ 0.0	✅ 0.0	✅ 0.0	Oil Life
Fuel Dilution:	✅ 1.04	✅ 0	✅ 0	✅ 0	Contamination
Water:	Negative	0	0	0	Contamination
Glycol:	Negative	0	0	0	Contamination
Potassium:	✅ 1	✅ 0	✅ 0	✅ 0	Contamination / Coolant
Silicon:	✅ 0	✅ 0	✅ 0	✅ 0	Anti-Foam, Dirt
Additives (ppm):					
Calcium	1342	0	0	0	Detergent
Sodium	3	0	0	0	Detergent
Magnesium	603	0	0	0	Detergent
Phosphorus	891	0	0	0	Anti-Wear
Zinc	977	0	0	0	Anti-Wear
Molybdenum	39	0	0	0	Friction Reducer
Boron	76	0	0	0	Dispersant / Friction Reducer

Equipment Health	Test Results	Previous Sample Results			Legend
Wear Trend:					
Iron	✅ 9	✅ 0	✅ 0	✅ 0	Valvetrain, Cylinder Bore Wear
Chromium	✅ 1	✅ 0	✅ 0	✅ 0	Piston Ring Wear
Copper	✅ 4	✅ 0	✅ 0	✅ 0	Bushing, Bearing Wear
Tin	✅ 2	✅ 0	✅ 0	✅ 0	Moly Additive / Bearing Wear
Lead	✅ 1	✅ 0	✅ 0	✅ 0	Bearing Wear
Aluminum	✅ 3	✅ 0	✅ 0	✅ 0	Piston, Aluminum Bore Wear
Manganese	✅ 0	✅ 0	✅ 0	✅ 0	Valve Guide Wear/Octane Booster
Titanium	✅ 6	✅ 0	✅ 0	✅ 0	Wrist Pin, Retainer Wear
Nickel	✅ 0	✅ 0	✅ 0	✅ 0	Nikasil Bore Wear
Total Metals:	✅ 26	✅ 0	✅ 0	✅ 0	Total Wear Metals
Wear / 1000 Miles:	✅ 5	#DIV/0!	#DIV/0!	#DIV/0!	Wear Metals / 1000 Miles

### Comments / Recommendations

Viscosity is slightly below grade, which is typical for Mobil 1. All other results are within normal ranges, and the wear rate per 1,000 miles is right at 5 ppm,, which is good. Based on these results, the drain interval can be extended, so resample at next oil change (5,500 to 6,500 miles) to monitor and establish the trend analysis.

# SPEEDIAGNOSTIX

How to use: Put 1 drop of blood on each of the 2 test windows.

Result: 

Test Window	Result	Interpretation
1	0	Normal
2	0	Normal
3	0	Normal
4	0	Normal
5	0	Normal
6	0	Normal
7	0	Normal
8	0	Normal
9	0	Normal
10	0	Normal
11	0	Normal
12	0	Normal
13	0	Normal
14	0	Normal
15	0	Normal
16	0	Normal
17	0	Normal
18	0	Normal
19	0	Normal
20	0	Normal
21	0	Normal
22	0	Normal
23	0	Normal
24	0	Normal
25	0	Normal
26	0	Normal
27	0	Normal
28	0	Normal
29	0	Normal
30	0	Normal
31	0	Normal
32	0	Normal
33	0	Normal
34	0	Normal
35	0	Normal
36	0	Normal
37	0	Normal
38	0	Normal
39	0	Normal
40	0	Normal
41	0	Normal
42	0	Normal
43	0	Normal
44	0	Normal
45	0	Normal
46	0	Normal
47	0	Normal
48	0	Normal
49	0	Normal
50	0	Normal
51	0	Normal
52	0	Normal
53	0	Normal
54	0	Normal
55	0	Normal
56	0	Normal
57	0	Normal
58	0	Normal
59	0	Normal
60	0	Normal
61	0	Normal
62	0	Normal
63	0	Normal
64	0	Normal
65	0	Normal
66	0	Normal
67	0	Normal
68	0	Normal
69	0	Normal
70	0	Normal
71	0	Normal
72	0	Normal
73	0	Normal
74	0	Normal
75	0	Normal
76	0	Normal
77	0	Normal
78	0	Normal
79	0	Normal
80	0	Normal
81	0	Normal
82	0	Normal
83	0	Normal
84	0	Normal
85	0	Normal
86	0	Normal
87	0	Normal
88	0	Normal
89	0	Normal
90	0	Normal
91	0	Normal
92	0	Normal
93	0	Normal
94	0	Normal
95	0	Normal
96	0	Normal
97	0	Normal
98	0	Normal
99	0	Normal
100	0	Normal

Interpretation: 0 = Normal, 1 = Abnormal, 2 = Abnormal, 3 = Abnormal, 4 = Abnormal, 5 = Abnormal, 6 = Abnormal, 7 = Abnormal, 8 = Abnormal, 9 = Abnormal, 10 = Abnormal, 11 = Abnormal, 12 = Abnormal, 13 = Abnormal, 14 = Abnormal, 15 = Abnormal, 16 = Abnormal, 17 = Abnormal, 18 = Abnormal, 19 = Abnormal, 20 = Abnormal, 21 = Abnormal, 22 = Abnormal, 23 = Abnormal, 24 = Abnormal, 25 = Abnormal, 26 = Abnormal, 27 = Abnormal, 28 = Abnormal, 29 = Abnormal, 30 = Abnormal, 31 = Abnormal, 32 = Abnormal, 33 = Abnormal, 34 = Abnormal, 35 = Abnormal, 36 = Abnormal, 37 = Abnormal, 38 = Abnormal, 39 = Abnormal, 40 = Abnormal, 41 = Abnormal, 42 = Abnormal, 43 = Abnormal, 44 = Abnormal, 45 = Abnormal, 46 = Abnormal, 47 = Abnormal, 48 = Abnormal, 49 = Abnormal, 50 = Abnormal, 51 = Abnormal, 52 = Abnormal, 53 = Abnormal, 54 = Abnormal, 55 = Abnormal, 56 = Abnormal, 57 = Abnormal, 58 = Abnormal, 59 = Abnormal, 60 = Abnormal, 61 = Abnormal, 62 = Abnormal, 63 = Abnormal, 64 = Abnormal, 65 = Abnormal, 66 = Abnormal, 67 = Abnormal, 68 = Abnormal, 69 = Abnormal, 70 = Abnormal, 71 = Abnormal, 72 = Abnormal, 73 = Abnormal, 74 = Abnormal, 75 = Abnormal, 76 = Abnormal, 77 = Abnormal, 78 = Abnormal, 79 = Abnormal, 80 = Abnormal, 81 = Abnormal, 82 = Abnormal, 83 = Abnormal, 84 = Abnormal, 85 = Abnormal, 86 = Abnormal, 87 = Abnormal, 88 = Abnormal, 89 = Abnormal, 90 = Abnormal, 91 = Abnormal, 92 = Abnormal, 93 = Abnormal, 94 = Abnormal, 95 = Abnormal, 96 = Abnormal, 97 = Abnormal, 98 = Abnormal, 99 = Abnormal, 100 = Abnormal.