

Current Sample Status:

**Metals: Caution**

FT-IR: Normal



## Oil Analysis Laboratory Sample Report

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### Machine Information

Equip #	MFG	Model #	Serial #	Compartment	Engine Make	Engine Model #	Engine Serial
JEEP		JEEP WRANGLER		Engine Diesel		3.0	

### Analysis results

#### Sample Data

Sample #	Date Taken	Date Received	Unit Hrs/Miles	Oil Hrs/Miles	Oil Changed	Oil Sampled
307199	04/17/24	04/18/24	NA	NA		

#### Physical Tests

Sample #	Viscosity CST @ 40C	SAE of Oil	Fuel Dilution	Glycol	Water
307199	70	540	<1	N	N

#### FT-IR Analysis Test Results

Sample #	Fuel % Vol	Soot A/CM	Glycol % Vol	Water % Vol	Oxidation A/CM	Nitration A/CM	Sulfur A/CM	Anti Wear	Ester BD A/CM
307199	0.97	4.96	0.00	0.00	2.63	5.49	0.00	-1.44	

#### Wear Metals

Sample #	Copper	Iron	Chrome	Aluminum	Lead	Nickel	Tin	Silver	Titanium	Vanadium
307199	2	16	3	9	1	2	2	4	3	3

#### Contaminant Metals

Sample #	Silicon	Sodium	Potassium
307199	10	29	243

#### Additive Metals

Sample #	Molybdenum	Calcium	Boron	Phosphorus	Zinc	Barium	Magnesium	Antimony
307199	103	1328	164	770	837	1	953	5

#### Recommendations For Current Sample 307199

Analysis results indicate Caution level on highlighted elements. Recommend change oil if not already performed, resample at shorter interval period to monitor.

1ST SAMPLE. NO PREVIOUS HISTORY AVAILABLE.

**OIL ANALYSIS IS YOUR BEST PREVENTATIVE MAINTENANCE !!!**

Current Sample is in the shaded area.