

## **OIL ANALYSIS REPORT**



NORMAL



# DODGE DODGE CHARGER

Component

**Gasoline Engine** 

HIGH PERFORMANCE LUBRICANTS HP SAE 5W20 (7 QTS)

# DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Baseline )

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

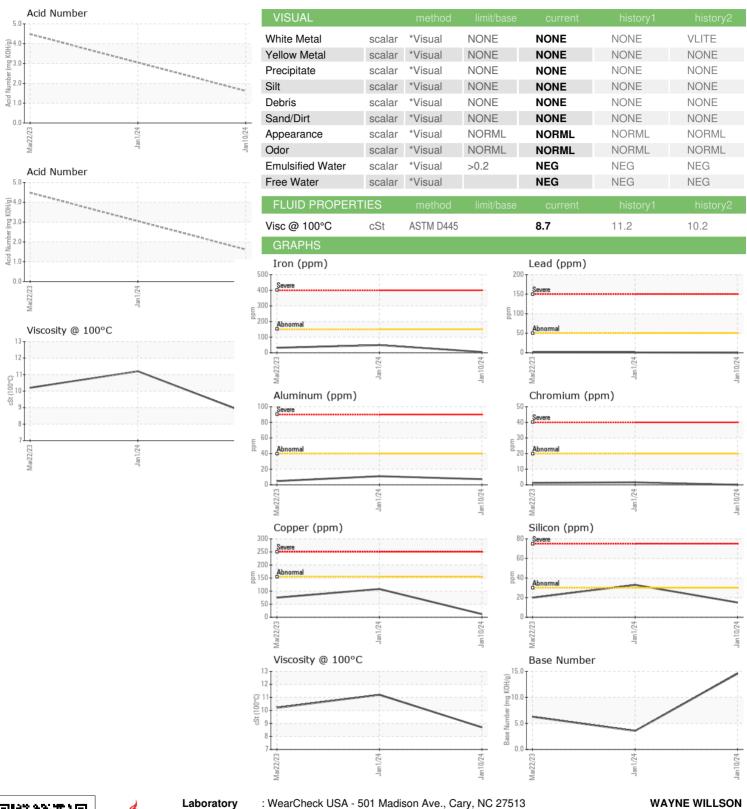
#### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AE 5W2U (7 Q15	,	Ma	2023	Jan 2024 Jan 20	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	mls mls	Client Info Client Info Client Info Client Info Client Info		HPL0004421 10 Jan 2024 71400 71400 Not Changd NORMAL	HPL0003562 01 Jan 2024 71200 71200 Changed ABNORMAL	HPL007914 22 Mar 2023 66000 11000 Not Changd NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method WC Method	>4.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron Chromium Nickel	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>150 >20 >5	5 0 0	49 2 <1	32 1 <1
Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 0 7	<1 0 <b>1</b> 1	<1 0 5
Lead Copper Tin Vanadium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>50 >155 >10	0 12 <1	<1 108 <1 <1	1 75 <1
Cadmium ADDITIVES	ppm	ASTM D5185m ASTM D5185m method	limit/base	0 current	0 history1	<1 0 history2
Boron Barium	ppm	ASTM D5185m ASTM D5185m		19 0	32 0	26 0
Molybdenum Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		573 <1 929	542 4 527	533 3 531
Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m		2544 1112	3358 762	3529 725 916
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		1235 8207	969 10220	14612
CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	san   san	15 3 0	history1   33  12  2	20 8 3
INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	method  *ASTM D7844  *ASTM D7624  *ASTM D7415	limit/base >20 >30	0.1 8.2 38.6	history1  0.1  17.2  65.5	0.1 15.8 53.6
FLUID DEGRADA Oxidation Acid Number (AN) Base Number (BN)	Abs/.1mm mg KOH/g mg KOH/g	method  *ASTM D7414  ASTM D8045  ASTM D2896	limit/base >25	current 36.4 1.62 14.56	history1 41.3 3.56	history2 33.0 4.48 6.27



### **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number **Unique Number** 

: HPL0004421 : 06060385 : 10831767

Recieved Diagnosed

: 12 Jan 2024 : 18 Jan 2024 Diagnostician : Jonathan Hester

Test Package : MOB 2 ( Additional Tests: TBN ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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