

OIL ANALYSIS REPORT

Sample Rating Trend







EHT SVC-01

Component Gasoline Engine Fluid

GASOLINE ENGINE OIL SAE 5W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

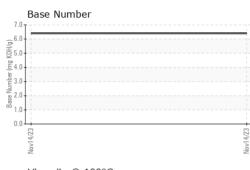
Fluid Condition

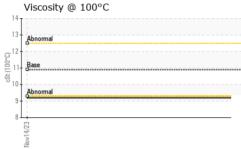
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0874355		
Sample Date		Client Info		14 Nov 2023		
Machine Age	hrs	Client Info		3140		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	9		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	. 0	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>40	3		
Lead	ppm	ASTM D5185m	>50	<1 3		
Copper	ppm	ASTM D5185m	>155	-		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	75	46	history1	history2
Boron Barium	ppm	ASTM D5185m ASTM D5185m	75 5	46 9		
Boron Barium Molybdenum		ASTM D5185m ASTM D5185m ASTM D5185m	75	46 9 95		
Boron Barium Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100	46 9 95 <1		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12	46 9 95 <1 589		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100	46 9 95 <1 589 730		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100 650	46 9 95 <1 589 730 587		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850	46 9 95 <1 589 730 587 708	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100 650	46 9 95 <1 589 730 587	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850	46 9 95 <1 589 730 587 708	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500	46 9 95 <1 589 730 587 708 2137		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 limit/base >30	46 9 95 <1 589 730 587 708 2137 current		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	75 5 100 12 2100 650 850 2500 limit/base >30	46 9 95 <1 589 730 587 708 2137 current 10	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 limit/base >30 >400	46 9 95 <1 589 730 587 708 2137 2137 current 10 3	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 limit/base >30 >400 >20	46 9 95 <1 589 730 587 708 2137 current 10 3 3	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 2500 2500 2500 230 >400 >20 >20	46 9 95 <1 589 730 587 708 2137 2137 current 10 3 3 3 <<1.0	 history1 	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 limit/base >30 >400 >20 >20 >4.0	46 9 95 <1 589 730 587 708 2137 <i>current</i> 10 3 3 <1.0 <i>current</i>	 history1 history1	 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm	ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 limit/base >30 >400 >20 >20 >4.0	46 9 95 <1 589 730 587 708 2137 <i>current</i> 10 3 3 <1.0 <i>current</i> 0.1	 history1 history1 	 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D3524 method *ASTM D7844	75 5 100 12 2100 650 850 2500 2500 2500 2500 2400 >20 24.0 20 24.0	46 9 95 <1 589 730 587 708 2137 <i>current</i> 10 3 3 <1.0 <i>current</i> 0.1 11.6	 history1 history1 	history2 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 Imit/base >30 >400 >20 >20 >4.0 Imit/base >20 >20 >20 >20 >20	46 9 95 <1 589 730 587 708 2137 <i>current</i> 10 3 3 <1.0 <i>current</i> 0.1 11.6 18.8	 history1 history1 	 history2 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	75 5 100 12 2100 650 850 2500 imit/base >30 >400 >20 >4.0 imit/base >20 >30 imit/base	46 9 95 <1 589 730 587 708 2137 current 10 3 3 <10 current 0.1 11.6 18.8 current	 history1 history1 history1 history1	 history2 history2 history2 history2



OIL ANALYSIS REPORT





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12 (0-001)

Abnorma

: WC0874355

: 06013641

Nov14/23

び 10

Laboratory Sample No.

Lab Number

Viscosity @ 100°C

VISUAL		method	limit/base	current	history1	history2			
White Metal	scalar	*Visual	NONE	NONE					
Yellow Metal	scalar	*Visual	NONE	NONE					
Precipitate	scalar	*Visual	NONE	NONE					
Silt	scalar	*Visual	NONE	NONE					
Debris	scalar	*Visual	NONE	NONE					
Sand/Dirt	scalar	*Visual	NONE	NONE					
Appearance	scalar	*Visual	NORML	NORML					
Odor	scalar	*Visual	NORML	NORML					
Emulsified Water	scalar	*Visual	>0.2	NEG					
Free Water	scalar	*Visual		NEG					
FLUID PROPERT	IES	method	limit/base	current	history1	history2			
Visc @ 100°C	cSt	ASTM D445	10.9	9.2					
GRAPHS									
Ferrous Alloys			Nov14/23						
≥ ≥ Non-ferrous Metals									
10 copper									

Jov14/75

Nov14/23 -

: 21 Nov 2023

: 23 Nov 2023

7.0 6.0 (B/HO)

1 B 4.0 Jaguard 100

88 2.0 1.0 0.0

Nov14/23

Base Number



 Unique Number
 : 10752785
 Diagnostician
 : Don Baldridge

 Certificate 12367
 Test Package
 : CONST (Additional Tests: FuelDilution, PercentFuel, 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)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Diagnosed

6626 Delilah Road

Egg Harbor Township, NJ

Nov14/23

F:

Apple Valley Waste - EHT Location