

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

GENERAC SUNNY VIEW 2

Diesel Engine

NAPA Motor Oil 15W40 (--- GAL)

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

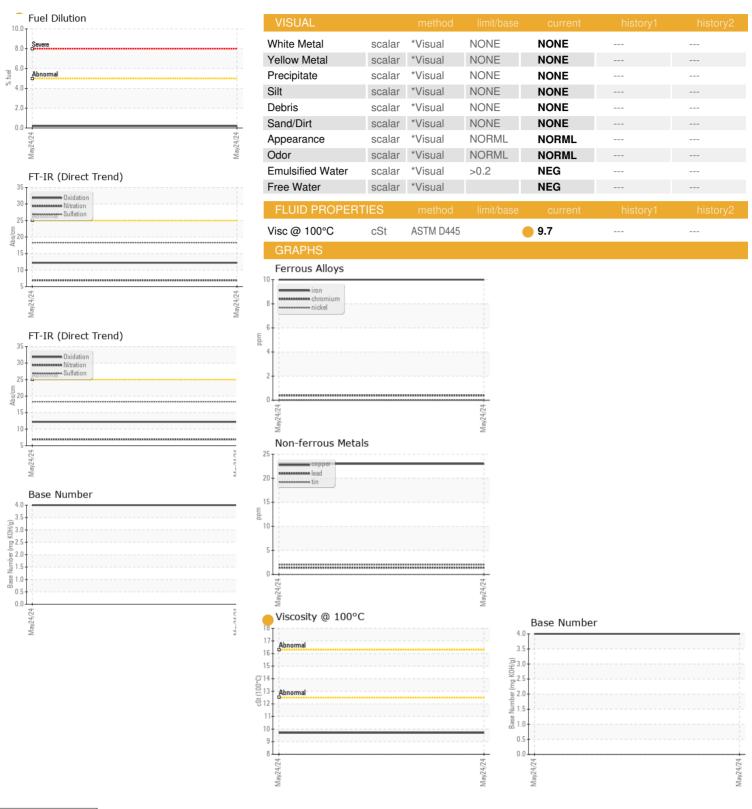
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Contromium					May2024		
Sample Number Client Info WC0901720	SAMPLE INFORM	MATION	method	limit/base	current	historv1	history2
Client Info							
Machine Age							
Oil Age	•	hre			-		
Contamped Client Info Changed Client Info ATTENTION Contample Status Contam							
ATTENTION CONTAMINATION method imit/base current history1 history2 history2 water WC Method NEG	-	1113			-		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.22 NEG Glycol WC Method NEG WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >100 10 Chromium ppm ASTM D5185m >20 <1	•		Oliciti IIIIo				
Water WC Method >0.2 NEG Glycol WC Method NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 10 Chromium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >40 1 Silver ppm ASTM D5185m >40 1 Aluminum ppm ASTM D5185m >33 23 Copper ppm ASTM D5185m >15 2 Vanadium ppm ASTM D5185m 0 <th< td=""><td>·</td><td>1</td><td>method</td><td>limit/base</td><td></td><td></td><td></td></th<>	·	1	method	limit/base			
WEAR METALS		N					
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 10 Chromium ppm ASTM D5185m >20 <1				>0.2			
Concord Conc	Glycol		WC Method		NEG		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	10		
Titanium	Chromium	ppm	ASTM D5185m	>20	<1		
Silver	Nickel	ppm	ASTM D5185m	>4	0		
Aluminum	Titanium	ppm	ASTM D5185m		1		
Lead	Silver	ppm	ASTM D5185m	>3	0		
Copper	Aluminum	ppm	ASTM D5185m	>20	3		
Tin ppm ASTM D5185m > 15 2	Lead	ppm	ASTM D5185m	>40	1		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 196 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 68 Manganese ppm ASTM D5185m 406 Magnesium ppm ASTM D5185m 406 Calcium ppm ASTM D5185m 1319 Phosphorus ppm ASTM D5185m 807 Sulfur ppm ASTM D5185m 2930 Sulfur ppm ASTM D5185m >25 4 CONTAMINANTS method limit/base current	Copper	ppm	ASTM D5185m	>330	23		
ADDITIVES	Tin	ppm	ASTM D5185m	>15	2		
ADDITIVES	Vanadium	ppm	ASTM D5185m		0		
Boron	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 68 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 406 Calcium ppm ASTM D5185m 1319 Phosphorus ppm ASTM D5185m 656 Zinc ppm ASTM D5185m 807 Sulfur ppm ASTM D5185m 2930 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m 31 Potassium ppm ASTM D5185m >20 2 Fuel % ASTM D5185m >20 2 Fuel % ASTM D5185m	Boron	ppm	ASTM D5185m		196		
Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 406 Calcium ppm ASTM D5185m 1319 Phosphorus ppm ASTM D5185m 656 Zinc ppm ASTM D5185m 2930 Sulfur ppm ASTM D5185m 2930 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >20 2 Fuel %	Barium	ppm	ASTM D5185m		0		
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Calcium ppm ASTM D5185m 1319 Phosphorus ppm ASTM D5185m 656 Zinc ppm ASTM D5185m 807 Sulfur ppm ASTM D5185m 2930 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >20 2 Fuel % ASTM D5185m >3 0 Soot %	Manganese	ppm	ASTM D5185m		1		
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Sodium	Sullui	ppm	AS TIVI DO TOOTTI		2930		
Sodium				limit/base		history1	history2
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INFRA-RED	CONTAMINANTS Silicon Sodium	ppm	method ASTM D5185m ASTM D5185m	>25	current 4 31		
Soot % % *ASTM D7844 >3 0 Nitration Abs/cm *ASTM D7624 >20 6.9 Sulfation Abs/.1mm *ASTM D7415 >30 18.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 12.2	CONTAMINANTS Silicon Sodium Potassium	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	current 4 31 2		
Nitration Abs/cm *ASTM D7624 >20 6.9 Sulfation Abs/.1mm *ASTM D7415 >30 18.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 12.2	CONTAMINANTS Silicon Sodium Potassium Fuel	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524	>25 >20 >5	current 4 31 2 0.2		
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Oxidation	CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844	>25 >20 >5 limit/base >3	current 4 31 2 0.2 current 0	 history1	 history2
Oxidation	CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624	>25 >20 >5 limit/base >3 >20	current 4 31 2 0.2 current 0 6.9	 history1	 history2
	CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm % % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7615	>25 >20 >5 limit/base >3 >20 >30	current 4 31 2 0.2 current 0 6.9 18.3		 history2
	CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	>25 >20 >5 limit/base >3 >20 >3 >3 >10	current 4 31 2 0.2 current 0 6.9 18.3 current	history1	 history2 history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0901720 Lab Number : 06202276 Unique Number : 11069737

Received **Tested** Diagnosed

: 06 Jun 2024 : 11 Jun 2024

: 11 Jun 2024 - Jonathan Hester Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

Contact: PAIGE paige@carolinapowersolutions.com T: (704)481-0782

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

CAROLINA POWER SOLUTION

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