

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL

Ewing Hauling Machine Id AUTOCAR 6751

Component

Diesel Engine

GIBRALTAR 15W/40 SUPER S-3 LX (11)





DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is positive.

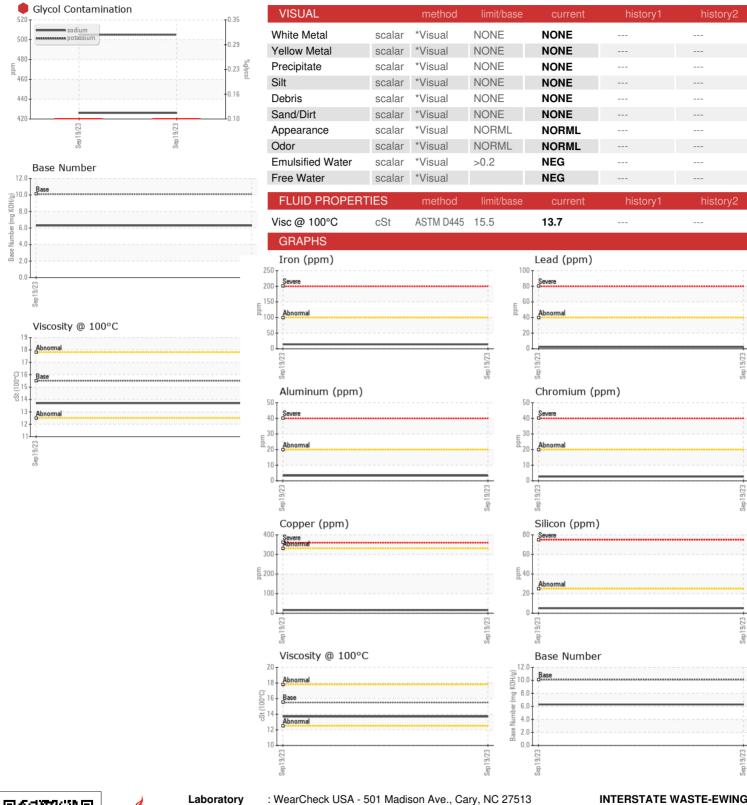
▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

				Sep 2023	,	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0840468		
Sample Date		Client Info		19 Sep 2023		
Machine Age	hrs	Client Info		5884		
Oil Age	hrs	Client Info		450		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	14		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	2		
Copper	ppm	ASTM D5185m	>330	16		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m	66	96		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	1000	522		
Calcium	ppm	ASTM D5185m	1050	1453		
Phosphorus	ppm	ASTM D5185m	1150	617		
Zinc	ppm	ASTM D5185m	1270	930		
Sulfur	ppm	ASTM D5185m		2827		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		426		
Potassium	ppm	ASTM D5185m	>20	<u>▲</u> 505		
Glycol	%	*ASTM D2982		0.10		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	method *ASTM D7844	limit/base >3	current 0.1	history1	history2
	% Abs/cm		>3		•	-
Soot %		*ASTM D7844	>3	0.1		
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624	>3 >20	0.1 10.8		
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20 >30	0.1 10.8 22.2	 	
Soot % Nitration Sulfation FLUID DEGRADA	Abs/cm Abs/.1mm TION Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415 method	>3 >20 >30 limit/base	0.1 10.8 22.2 current	history1	



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Certificate L2367

Unique Number

Laboratory Sample No. Lab Number

: WC0840468 : 05961984 : 10668535

Received Diagnosed

: 27 Sep 2023 : 28 Sep 2023

Diagnostician : Don Baldridge

Test Package : MOB 1 (Additional Tests: Glycol, 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)

INTERSTATE WASTE-EWING

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