

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

Cummins Cummins generator (S/N 01)

2 Diesel Engine

{not provided} (91 LTR)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: First oil sample taken after Kleen oil system installation. Oil was changed and system installed @14517 hrs)

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate amount of particulates present in the oil. No other contaminants were detected in the oil.

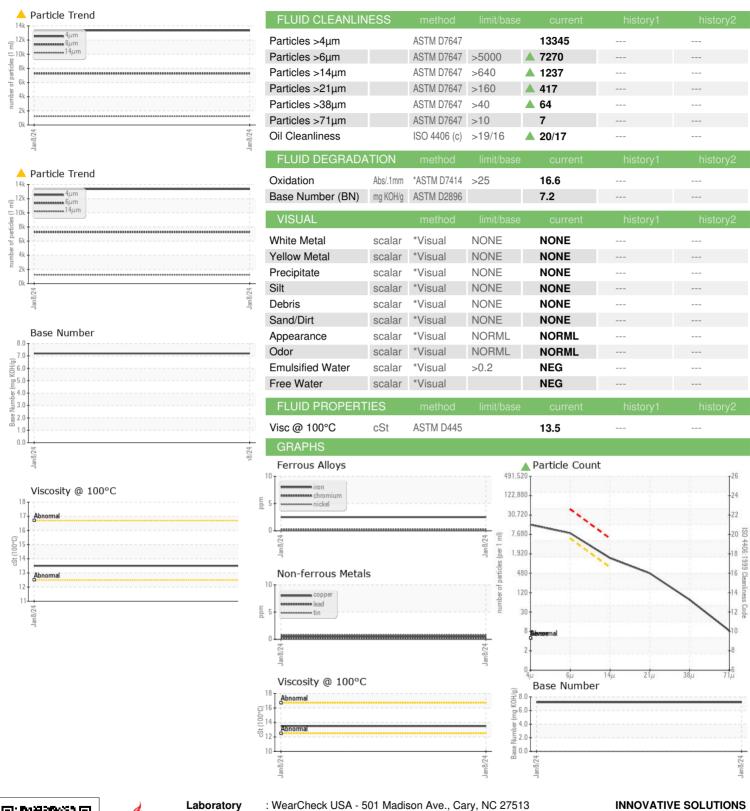
Fluid Condition

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

		L		Jan 2024		
SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0013072		
Sample Date		Client Info		08 Jan 2024		
Machine Age	hrs	Client Info		14517		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	2		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		79		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		85		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		116		
Calcium	ppm	ASTM D5185m		2121		
Phosphorus	ppm	ASTM D5185m		1056		
Zinc	ppm	ASTM D5185m		1221		
Sulfur	ppm	ASTM D5185m		4276		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	8.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4		



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Laboratory Sample No. Lab Number

Unique Number

: KL0013072 : 06060089 : 10831471

Recieved Diagnosed

: 01 Feb 2024 Diagnostician : Doug Bogart

: 12 Jan 2024

Test Package : MOB 2 (Additional Tests: PrtCount) Certificate L2367 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) **INNOVATIVE SOLUTIONS**

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