

OIL ANALYSIS REPORT

Sample Rating Trend





Area HED-E13 Machine Id 367 367 Component Diesel Engine Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. (Customer Sample Comment: 1st Samole)

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

				Nov2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004035		
Sample Date		Client Info		10 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0		
Water		WC Method	>0.21	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	19		
Chromium	ppm	ASTM D5185m	>11	0		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>31	2		
Lead	ppm	ASTM D5185m	>26	0		
Copper	ppm	ASTM D5185m	>26	1		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		18		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		85		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		997		
Calcium	ppm	ASTM D5185m		1130		
Phosphorus	ppm	ASTM D5185m		1046		
Zinc	ppm	ASTM D5185m		1275		
Sulfur	ppm	ASTM D5185m		3224		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	4		
Sodium	ppm	ASTM D5185m	>31	3		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	7.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8		



1

umber

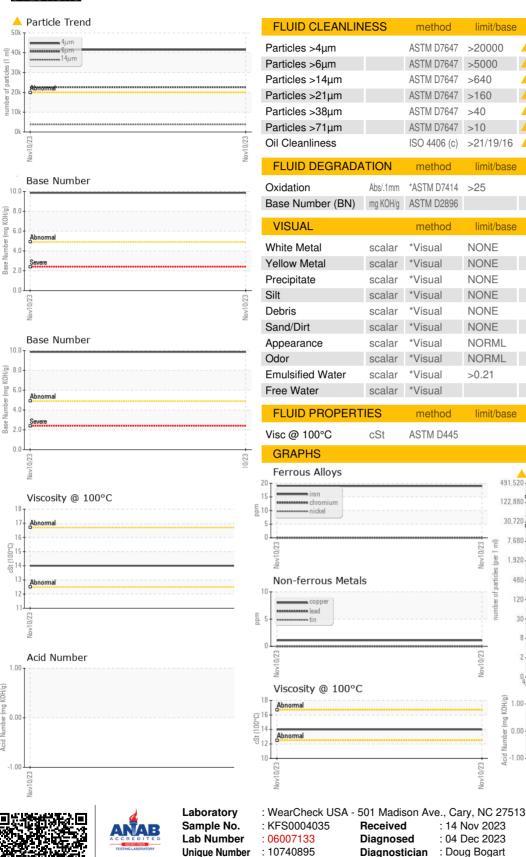
Base

Base

KOH/a)

Acid

OIL ANALYSIS REPORT



38,

21µ

14,

history1

historv1

historv1

history1

current

41480

22597

3846

1295

200 20

14.8

9.86

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

current

Particle Count

Acid Number

NEG

NEG

14.0

480

23/22/19

current

current

history2

historv2

historv2

history2

20 8

4406

Certificate L2367

Test Package

: MOB 2 (Additional Tests: PrtCount)

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.

Submitted By: Kenneth Humphries

Page 2 of 2