

Area HED-E13

999 999

# **OIL ANALYSIS REPORT**

Sample Rating Trend



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.

# 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 suitable for further service.

		methou	iiiiiii/base	Current	Thistory I	Thistory 2
Sample Number		Client Info		KFS0004038		
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	1	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	maa	ASTM D5185m	>100	71		
Chromium	mag	ASTM D5185m	>20	<1		
Nickel	mag	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	10		
Lead	nom	ASTM D5185m	>40	7		
Copper	nom	ASTM D5185m	>330	15		
Tin	ppm	ASTM D5185m	>15	-1		
Vanadium	nom	ASTM D5185m	210	0		
Cadmium	nom	ASTM D5185m		0		
Oddinidini	ppin			Ũ		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		65		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		863		
Calcium	ppm	ASTM D5185m		1235		
Phosphorus	ppm	ASTM D5185m		966		
Zinc	ppm	ASTM D5185m		1221		
Sulfur	ppm	ASTM D5185m		3094		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	31		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.6		



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: MOB 2 ( Additional Tests: PrtCount ) randall.nichols@constellium.com 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)

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