

### **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# E13 SHIP - AW 68 E13 SHIP

Component Bulk Tank New (Unused) Oil Fluid

{not provided} (--- GAL)

#### DIAGNOSIS

#### A Recommendation

This is a baseline read-out on the submitted sample.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0005270		
Sample Date		Client Info		22 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>5	0		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		54		
Phosphorus	ppm	ASTM D5185m		345		
Zinc	ppm	ASTM D5185m		440		
Sulfur	ppm	ASTM D5185m		877		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>10318</b>		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	153		
Particles >21µm		ASTM D7647	>40	36		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.50		
20:25:07) Rev: 1	5 0		ct/Location:		1 - Randy Nichol	

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Contact/Location: CONSTELLIUM - Randy Nichols - CONMUSAL



## **OIL ANALYSIS REPORT**

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ottom GRAPHS						
GRAPHS					no image	
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Ferrous Alloys						
			491,520	Particle Count		20
iron			431,320			720
nickel			122,880	Savara		-24
			30,720			-22
			7.680	Ahmmal		-20
Aprzz/24			2/24 .			-20
Aprz			4pr2 (per 1,950			-18
Non-ferrous Metals	5					-16
			et .			14
copper			a 120			-14
sassassassas tin			E 30	-		-12
				-		10
+			54		1	
Apr. 2/24			pr22//			
			₹ 0		4μ 21μ	38µ 71µ
7 =				Acid Number		
Abnormal			デ <sup>0.60</sup> デロ48	I		
Abnormal			Ĕ 0.36			
			-a 2 0.24			
			P 0.12			
+ +7/				724		ŝ
Apr.2/24			Apr22	Apr22		20
			-			
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