

OIL ANALYSIS REPORT



Machine Id G1

Genset Fluid DIESEL GENERATOR EMD (--- LTR)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The amount and size of particulates present in the system are acceptable.

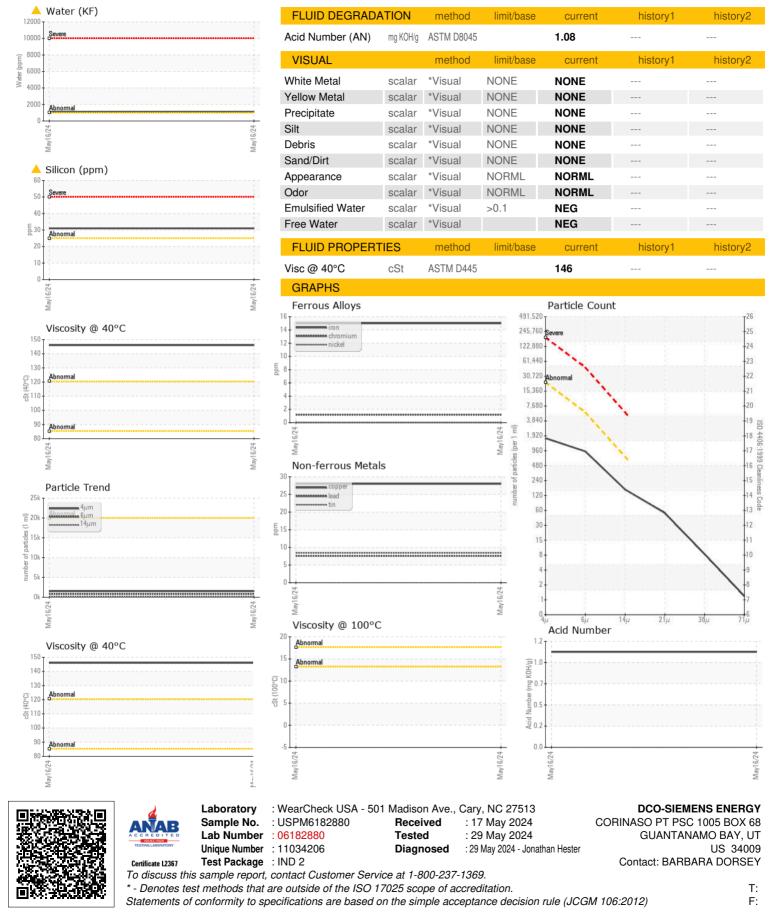
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM6182880		
Sample Date		Client Info		16 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	15		
Chromium	ppm	ASTM D5185m	>4	1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>5	<1		
Aluminum	ppm	ASTM D5185m	>12	2		
Lead	ppm	ASTM D5185m	>17	8		
Copper	ppm	ASTM D5185m		28		
Tin		ASTM D5185m	>15	8		
Vanadium	ppm	ASTM D5185m	>10	ہ <1		
	ppm			0		
Cadmium	ppm	ASTM D5185m		-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		53		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		4		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		3401		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		2669		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	A 31		
Sodium	ppm	ASTM D5185m		321		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.1	0.108		
ppm Water	ppm	ASTM D6304	>1000	1087		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	1505		
Particles >6µm		ASTM D7647	>5000	820		
Particles >14µm		ASTM D7647	>640	140		
Particles >21µm		ASTM D7647	>160	47		
Particles >38µm		ASTM D7647	>40	7		
Particles >71µm		ASTM D7647		1		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/17/14		



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Report Id: DCOGUA [WUSCAR] 06182880 (Generated: 05/29/2024 09:14:54) Rev: 1

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