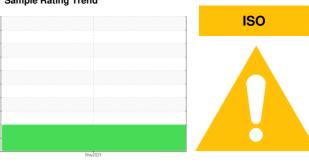


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id G4 Component Genset

DIESEL GENERATOR EMD (--- LTR)

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.

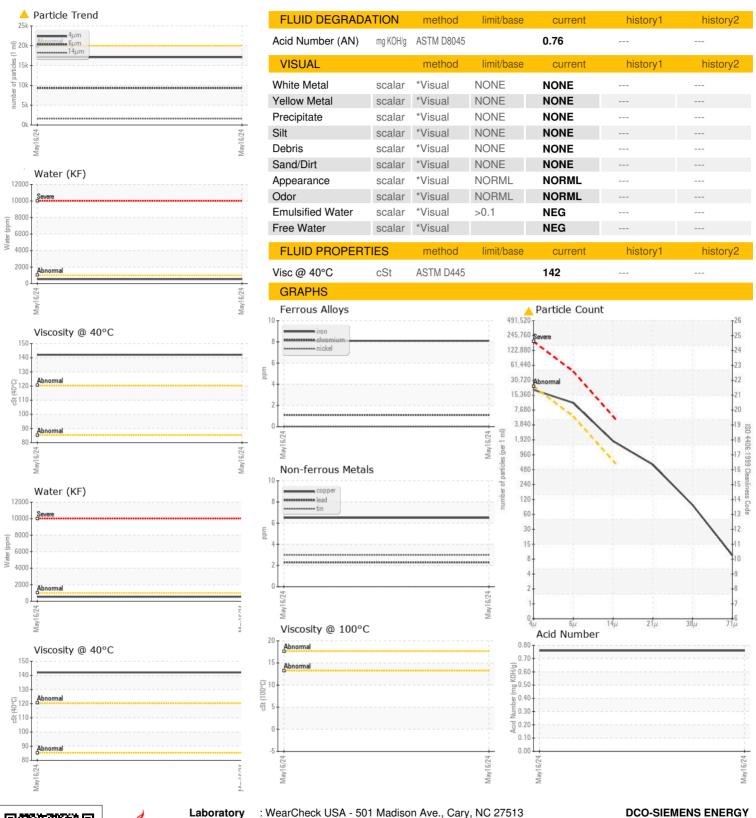
Fluid Condition

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

			1	May2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM6182877		
Sample Date		Client Info		16 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	0	Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	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	8		
Chromium Nickel	ppm	ASTM D5185m	>4	1		
	ppm	ASTM D5185m	>2	0		
Titanium Silver	ppm	ASTM D5185m	>5	<1		
	ppm	ASTM D5185m	>5	<1		
Aluminum	ppm	ASTM D5185m ASTM D5185m	>12	2		
Lead	ppm	ASTM D5185m		6		
Copper	ppm					
Tin Vanadium	ppm	ASTM D5185m	>15	3		
	ppm	ASTM D5185m		<1 0		
Cadmium	ppm	ASTM D5185m		U		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	limit/base	16	history1	history2
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	16 0		
Boron Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1		
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1 0		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1 0 0 3354		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1 0 0 3354		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1 0 0 3354 0		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1 0 0 3354		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	16 0 1 0 0 3354 0 0 2636		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m		16 0 1 0 0 3354 0 0 2636 current	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >25	16 0 1 0 0 3354 0 0 2636 current 10	 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185m	limit/base >25 >20	16 0 1 0 0 3354 0 0 2636 current 10 78 1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm	ASTM D5185m ASTM D6304	limit/base >25 >20 >0.1	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm	ASTM D5185m	limit/base >25 >20	16 0 1 0 0 3354 0 0 2636 current 10 78 1		history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm	ASTM D5185m ASTM D6304	limit/base >25 >20 >0.1 >1000 limit/base	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm	ASTM D5185m ASTM D6304	limit/base >25 >20 >0.1 >1000	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053 532		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm	ASTM D5185m ASTM D6304 ASTM D6304	limit/base >25 >20 >0.1 >1000 limit/base	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053 532 current		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm	ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D6304	limit/base >25 >20 >0.1 >1000 limit/base >20000	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053 532 current 17095		history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >14µm Particles >14µm	ppm	ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647	limit/base >25 >20 >0.1 >1000 limit/base >20000 >5000	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053 532 current 17095 ▲ 9313		history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm	ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647	limit/base >25 >20 >0.1 >1000 limit/base >20000 >5000 >640	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053 532 current 17095 9313 1585 534 82		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm	ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >25 >20 >0.1 >1000 limit/base >20000 >5000 >640 >160	16 0 1 0 0 3354 0 0 2636 current 10 78 1 0.053 532 current 17095 9313 1585 534		history2 history2



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number : 06182877

: USPM6182877 Unique Number : 11034203 Test Package : IND 2

Received : 17 May 2024 **Tested** : 29 May 2024

Diagnosed : 29 May 2024 - Jonathan Hester

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

CORINASO PT PSC 1005 BOX 68 GUANTANAMO BAY, UT US 34009

Contact: BARBARA DORSEY

T:

F: