

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area HER SON Machine Id CATERPILLAR CATERPILLAR G3406 Biodigestor Component Biogas Engine

MOBIL PEGASUS 610 (70 LTR)

SAMPLE INFORM		method	limit/base	current	history1	history
			minubase			
Sample Number		Client Info		KL0012784		
Sample Date		Client Info		15 Aug 2023		
Machine Age	hrs	Client Info		36748		
Oil Age	hrs	Client Info		401		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history
Fuel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history
Iron	ppm	ASTM D5185m	>45	10		
Chromium	ppm	ASTM D5185m	>2	<1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>5	<1		
Copper	ppm	ASTM D5185m	>14	1		
Tin	ppm	ASTM D5185m	>13	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history
Boron	ppm	ASTM D5185m		69		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		14		
Calcium	ppm	ASTM D5185m		3715		
Phosphorus	ppm	ASTM D5185m		6		
Zinc	ppm	ASTM D5185m		5		
Sulfur	ppm	ASTM D5185m		9257		
CONTAMINANTS		method	limit/base	current	history1	history
Silicon	ppm	ASTM D5185m	>200	6		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	6.0		
Sulfation	Abs/.1mm	*ASTM D7415		21.7		

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates. (Customer Sample Comment: No KLEENOIL on board)

Wear

All component wear rates are normal.

Contamination

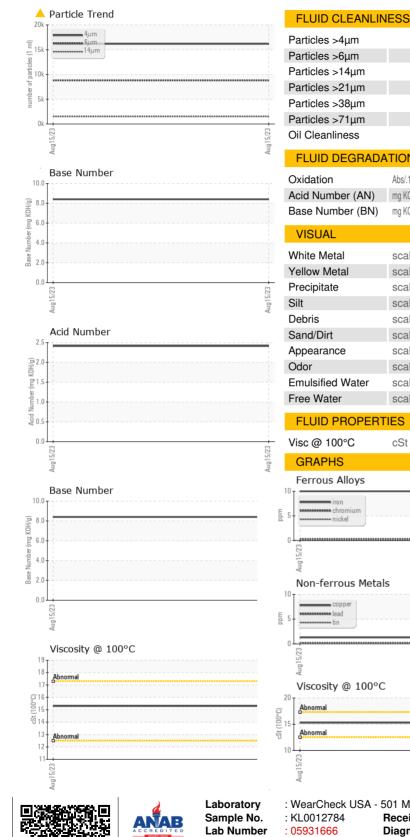
There is a high amount of particulates present in the oil.

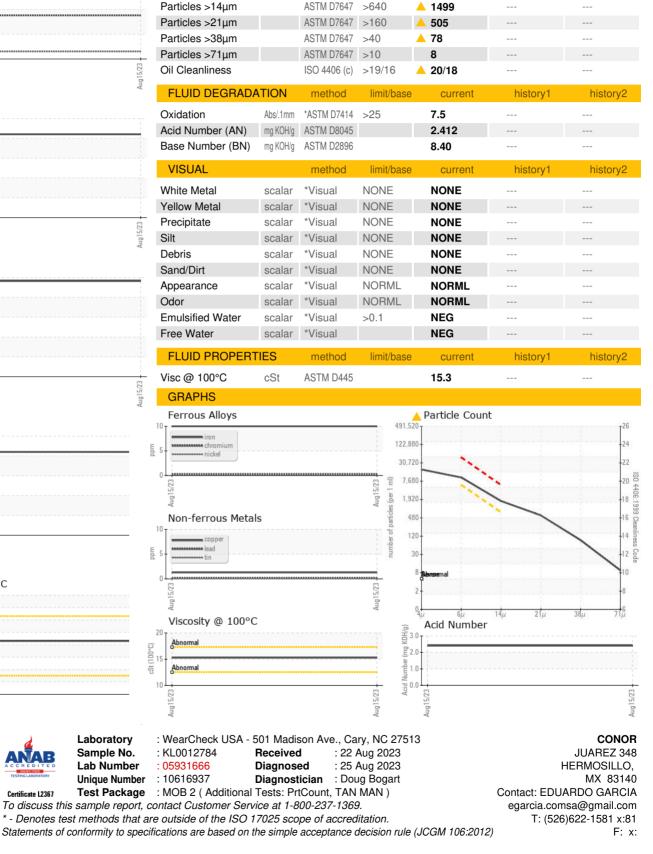
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



OIL ANALYSIS REPORT





limit/base

current

16173

8810

method

ASTM D7647

ASTM D7647 >5000

history1

history2

Certificate L2367

Submitted By: EDUARDO GARCIA

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