

## **OIL ANALYSIS REPORT**

Sample Rating Trend



## GEN OIL SAMPLE CATERPILLAR CATERPILLAR PLANT A Component Genset

## Fluid DIESEL ENGINE OIL SAE 15W40 (80 GAL)

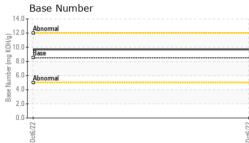


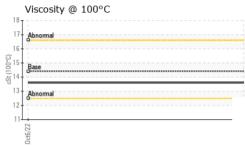


	L SAE 15W40 (80 G	AL)			0ct2022		
DIAGNOSIS	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		WC0749226		
esample at the next service interval to monitor.	Sample Date		Client Info		06 Oct 2022		
ear	Machine Age	hrs	Client Info		67		
component wear rates are normal.	Oil Age	hrs	Client Info		0		
ntamination	Oil Changed		Client Info		Not Changd		
ere is no indication of any contamination in the	Sample Status				NORMAL		
bil. Fluid Condition Fhe BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the bil is suitable for further service.	CONTAMINATION	J	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	>25	2		
	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>10	1		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		_ <1		
	Vanadium	ppm	ASTM D5185m		1		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	250	71		
	Barium	ppm	ASTM D5185m	10	0		
	Molybdenum	ppm	ASTM D5185m	100	38		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m	450	466		
	Calcium	ppm	ASTM D5185m	3000	1538		
	Phosphorus	ppm	ASTM D5185m		899		
	Zinc	ppm	ASTM D5185m		1052		
	Sulfur	ppm	ASTM D5185m		3020		
	CONTAMINANTS		method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m		8		
	Sodium	ppm	ASTM D5185m	>158	3		
	Potassium	ppm	ASTM D5185m	>20	<1		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844		0.1		
	0001 /8						
	Nitration	Abs/cm	*ASTM D7624	>20	5.1		
		Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415		5.1 23.6		
	Nitration	Abs/.1mm			23.6		
	Nitration Sulfation	Abs/.1mm	*ASTM D7415	>30 limit/base	23.6		



## **OIL ANALYSIS REPORT**





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Test Package : IND 2 Contact: BRIAN CARTWRIGHT Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. brian.cartwright@townofcary.org \* - 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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