

OIL ANALYSIS REPORT

Area **DIESEL GENERATING UNITS** CUMMINS AUXILIARY GENERATOR #1 (CAL008) (S/N 37276701)

Auxiliary Engine

Fluid MOBIL DELVAC 1300 SUPER15W40 (200 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

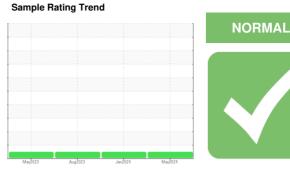
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

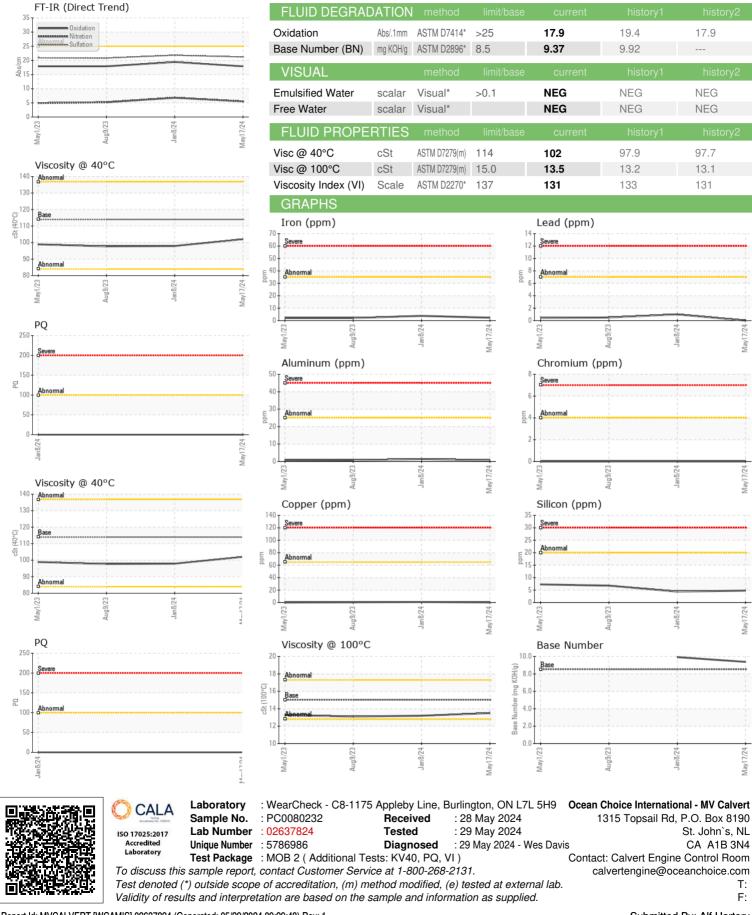
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PC0080232	PC0076327	PC0010705	
Sample Date		Client Info		17 May 2024	08 Jan 2024	09 Aug 2023	
Machine Age	hrs	Client Info		3800	3390	3178	
Oil Age	hrs	Client Info		3800	3390	2802	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0	
Water		WC Method	>0.1	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS method limit/base current history1 history2							
PQ		ASTM D8184*		0	0		
Iron	ppm	ASTM D5185(m)	>35	2	4	2	
Chromium	ppm	ASTM D5185(m)	>4	0	0	0	
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1	
Titanium	ppm	ASTM D5185(m)	>2	0	0	0	
Silver	ppm	ASTM D5185(m)	>2	0	0	<1	
Aluminum	ppm	ASTM D5185(m)	>25	<1	1	<1	
Lead	ppm	ASTM D5185(m)	>7	0	1	<1	
Copper	ppm	ASTM D5185(m)	>65	<1	<1	<1	
Tin	ppm	ASTM D5185(m)	>4	0	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	0	59	37	52	
Barium	ppm	ASTM D5185(m)	0	0	0	<1	
Molybdenum	ppm	ASTM D5185(m)	0	47	42	42	
Manganese	ppm	ASTM D5185(m)		<1	0	0	
Magnesium	ppm	ASTM D5185(m)	0	529	558	544	
Calcium	ppm	ASTM D5185(m)		1596	1684	1634	
Phosphorus	ppm	ASTM D5185(m)		727	791	759	
Zinc	ppm	ASTM D5185(m)		839	905	892	
Sulfur	ppm	ASTM D5185(m)		2128	2295	2149	
Lithium	ppm	ASTM D5185(m)		<1	<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	5	4	7	
Sodium	ppm	ASTM D5185(m)		2	2	2	
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	0.1	0	
Nitration	Abs/cm	ASTM D7624*	>20	5.5	6.8	5.2	
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.2	21.8	20.8	



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