

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id EMD 503 Component Diesel Engine Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

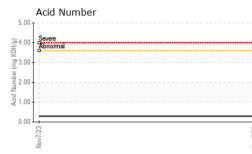
Fluid Condition

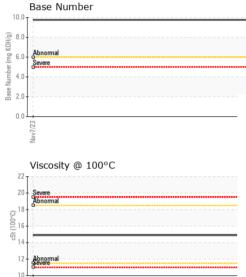
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

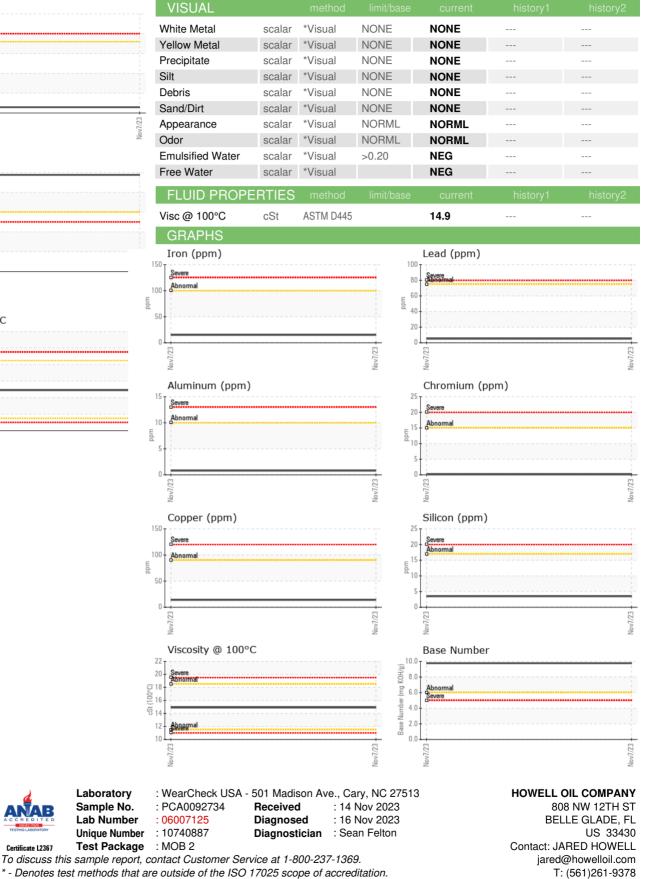
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0092734		
Sample Date		Client Info		07 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>4	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
		ASTM D5185m		15		, , , , , , , , , , , , , , , , , , ,
Iron Chromium	ppm ppm	ASTM D5185m	>100 >15	15 <1		
Nickel		ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>0	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm ppm	ASTM D5185m	>2	0 <1		
Lead	ppm	ASTM D5185m	>75	5		
Copper	ppm	ASTM D5185m	>90	14		
Tin	ppm	ASTM D5185m	>30	2		
Vanadium	ppm	ASTM D5185m	>00	0		
Cadmium	ppm	ASTM D5185m		0		
	ppin					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		40		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		45		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		11		
Calcium	ppm	ASTM D5185m		3472		
Phosphorus	ppm	ASTM D5185m		4		
Zinc	ppm	ASTM D5185m		1		
Sulfur	ppm	ASTM D5185m		3085		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>17	4		
Sodium	ppm	ASTM D5185m		10		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7		
Nitration	Abs/cm	*ASTM D7624	>20	8.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.3		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	7.5		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.29		
Base Number (BN)	mg KOH/g	ASTM D2896		9.76		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory

Sample No.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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