

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

HAMM H5I H222-2170

Component Diesel Engine Fluid {not provided} (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

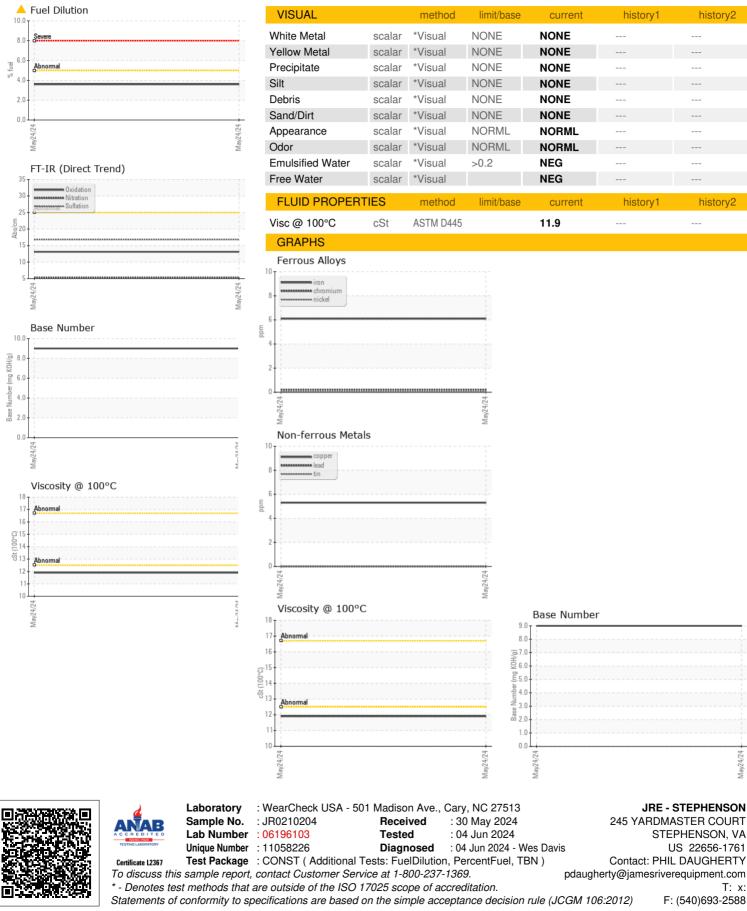
Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0210204		
Sample Date		Client Info		24 May 2024		
Machine Age	hrs	Client Info		183		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				MARGINAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
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Iron	ppm	ASTM D5185m	>100	6		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	0	<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	5		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		48		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		780		
Calcium	ppm	ASTM D5185m		943		
Phosphorus	ppm	ASTM D5185m		884		
Zinc	ppm	ASTM D5185m		1045		
Sulfur	ppm	ASTM D5185m		3142		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	2		
Fuel	%	ASTM D3524	>5	A 3.6		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624		5.3		
Sulfation	Abs/.1mm	*ASTM D7415		16.8		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1		
Base Number (BN)	mg KOH/g	ASTM D2896		9.0		
				010		



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Contact/Location: PHIL DAUGHERTY - JAMWIN

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