

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **95**

Component **Diesel Engine**

Fluid

{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend that you drain the oil and perform a filter service on this component if not already done. 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 level is low. The oil is no longer serviceable.

				Jan 2024		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0083002		
Sample Date		Client Info		21 Jan 2024		
Machine Age	mls	Client Info		0		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	42		
Chromium	ppm	ASTM D5185m		2		
Nickel	ppm		>4	3		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm		>20	14		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m		5		
Tin		ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m	>10	∨ <1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	ррпп	method	limit/base	current		hiotory
			IIIIIII/Dase		history1	history2
Boron	ppm	ASTM D5185m		131		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		67		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		47		
Calcium	ppm	ASTM D5185m		1538		
Phosphorus	ppm	ASTM D5185m		790		
Zinc	ppm	ASTM D5185m		903		
Sulfur	ppm	ASTM D5185m		2082		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	7		
Fuel	%	ASTM D3524	>5	1.5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7		
Nitration	Abs/cm	*ASTM D7624	>20	11.7		
Sulfation	Abs/.1mm	*ASTM D7415		39.7		

limit/base

current

48.4

1.2

history1

Contact/Location: DISPATCH? - NOREAG

FLUID DEGRADATION method

Base Number (BN) mg KOH/g ASTM D2896

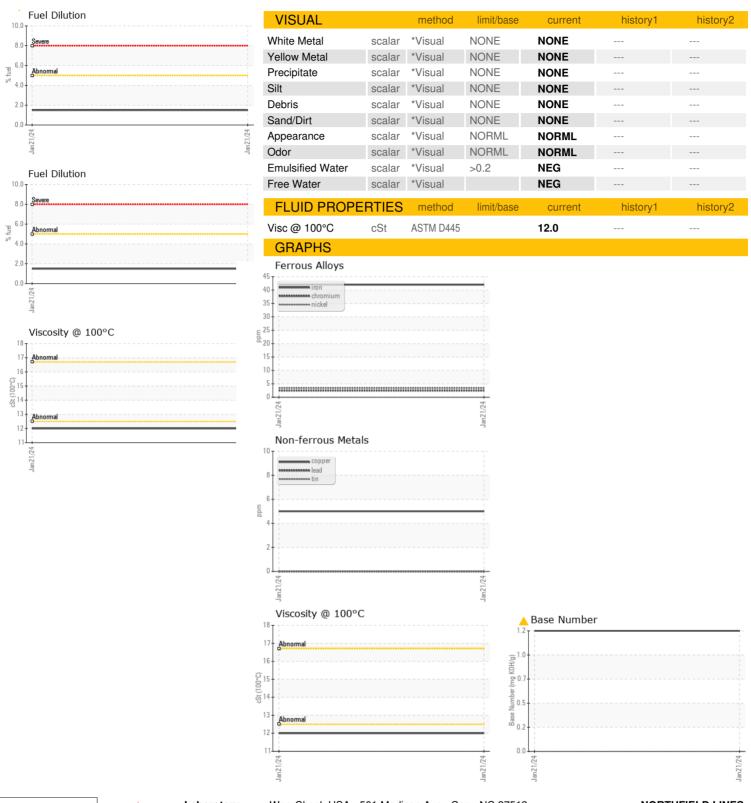
Abs/.1mm *ASTM D7414 >25

Oxidation

history2



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number

: PCA0083002 : 06067519 : 10844196

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 22 Jan 2024 Recieved Diagnosed

: 24 Jan 2024 Diagnostician : Don Baldridge

Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

NORTHFIELD LINES 1034 GEMINI RD EAGAN, MN US 55121

Contact: DISPATCH dispatch@northfieldlines.com

T: (651)203-8888

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

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