

OIL ANALYSIS REPORT

Sample Rating Trend
WEAR

Machine Id **M60001**

Component

Diesel Engine

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. 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

Valve wear is indicated. All other component wear rates are normal.

Contamination

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

Fluid Condition

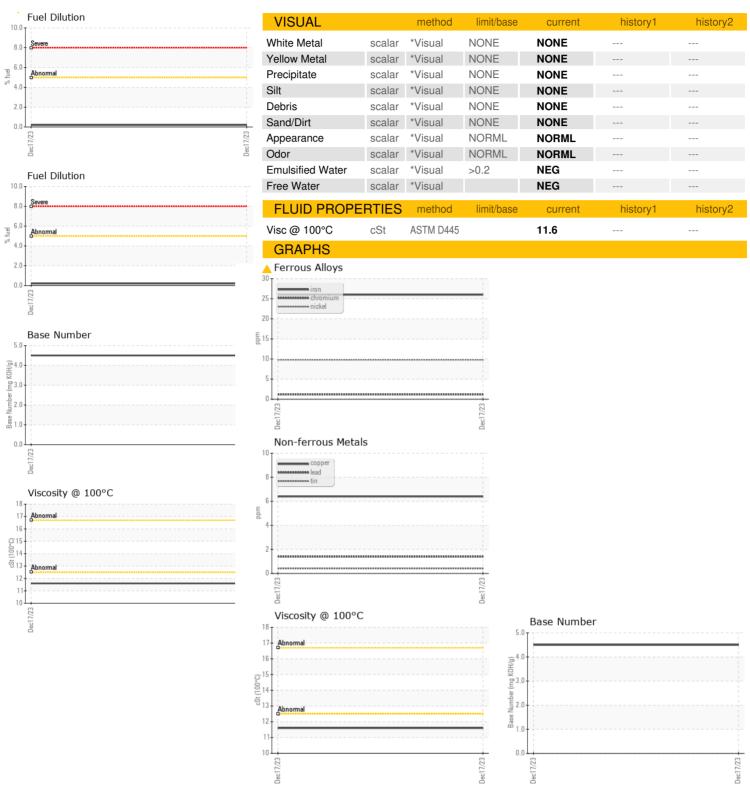
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

				Dec2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0088511		
Sample Date		Client Info		17 Dec 2023		
Machine Age	mls	Client Info		516185		
Oil Age	mls	Client Info		30000		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	26		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	<u>10</u>		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	9		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m		6		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		11		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		147		
Calcium	ppm	ASTM D5185m		1897		
Phosphorus	ppm	ASTM D5185m		823		
Zinc	ppm	ASTM D5185m		1021		
Sulfur	ppm	ASTM D5185m		3010		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	4		
Fuel	%	ASTM D3524	>5	0.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624		9.2		
Sulfation						
Ounation	Abs/.1mm	*ASTM D7415	>30	24.3		
			>30 limit/base	24.3 current	history1	
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
			limit/base			

Contact/Location: FRANK DIETZ - MIDFAR



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: PCA0088511

: 06060591 : 10831973

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 16 Jan 2024 Recieved Diagnosed

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

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