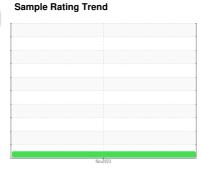


OIL ANALYSIS REPORT





Machine Id DUCK Component **Diesel Engine**

DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

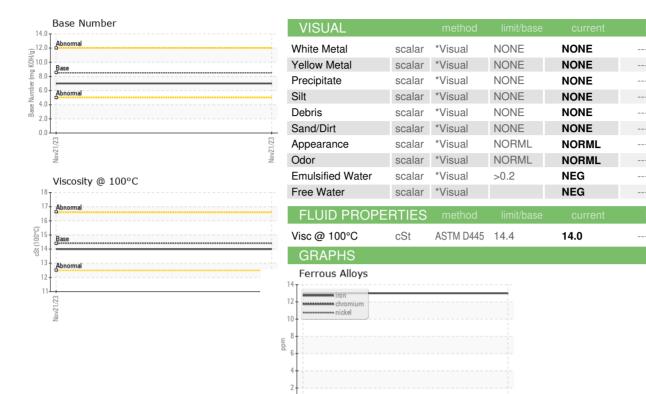
Fluid Condition

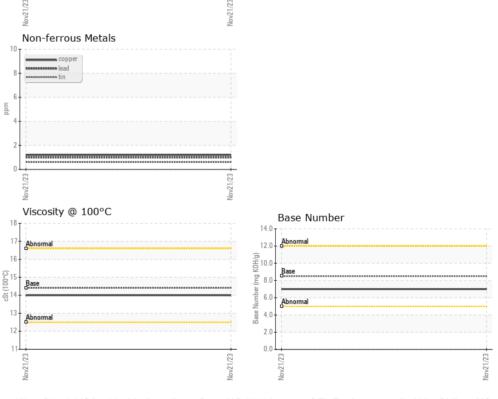
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Nov2023		
SAMPLE INFORM	AATION	method	limit/base	current	history1	history2
	IATION		IIIIIIIIIIII			
Sample Number		Client Info		GFL0069949		
Sample Date	bro	Client Info		21 Nov 2023		
Machine Age Oil Age	hrs hrs	Client Info		0		
Oil Changed	1115	Client Info		N/A		
Sample Status		Oliciti iiilo		NORMAL		
CONTAMINATI	ON	mathad	limit/base	-		history ()
	ON	method			history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	13		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m		4		
Lead	ppm	ASTM D5185m	>40	1		
Copper Tin	ppm	ASTM D5185m ASTM D5185m		1		
Vanadium	ppm	ASTM D5165III	>15	<1 0		
Cadmium	ppm	ASTM D5185m		0		
	ррпп		11 11 11			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	2		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	62		
Manganese	ppm	ASTM D5185m	450	<1		
Magnesium Calcium	ppm	ASTM D5185m	450 3000	1056 1156		
Phosphorus	ppm	ASTM D5185m	1150	870		
Zinc	ppm	ASTM D5185m	1350	1277		
Sulfur	ppm	ASTM D5185m	4250	2768		
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>216	5		
Potassium	ppm	ASTM D5185m	>20	7		
INFRA-RED		method	limit/base	current	history1	history2
	0/					
Soot % Nitration	% Abs/cm	*ASTM D7844 *ASTM D7624	>3 >20	0.6 8.8		
Sulfation	Abs/.1mm		>30	20.4		
FLUID DEGRAD			limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.0		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : FLEET

: GFL0069949 : 06014755 : 10753899

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: Wes Davis Diagnostician

: 23 Nov 2023

: 22 Nov 2023

GFL Environmental - 902 - Chilton HC 428 High St Chilton, WI

US 53014 Contact: Keith Mueller keith.mueller@gflenv.com T: (920)374-1404

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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