

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Area **KDAC** Machine Id **200250** Component **Diesel Engine** Fluid **TEST OIL GOLD 4 (40 LTR)** 

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The water content is 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 suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0888924	WC0864708	WC0864683
Sample Date		Client Info		22 Dec 2023	08 Dec 2023	12 Nov 2023
Machine Age	kms	Client Info		206507	196035	178171
Oil Age	kms	Client Info		28335	17863	53139
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	۷	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	14	10	22
Chromium	ppm	ASTM D5185(m)	>20	1	<1	2
Nickel	ppm	ASTM D5185(m)	>2	1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	11	7	26
Lead	ppm	ASTM D5185(m)	>40	<1	<1	2
Copper	ppm	ASTM D5185(m)	>330	<1	<1	2
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	<1	1	4
Barium	ppm	ASTM D5185(m)	0	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	60	58	58	60
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	950	965	959	965
Calcium	ppm	ASTM D5185(m)	980	1045	1025	1058
Phosphorus	ppm	ASTM D5185(m)	1100	978	978	958
Zinc	ppm	ASTM D5185(m)	1150	1164	1146	1203
Sulfur	ppm	ASTM D5185(m)	2600	2612	2526	2384
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	3	6
Sodium	ppm	ASTM D5185(m)		1	2	2
Potassium	ppm	ASTM D5185(m)	>20	18	11	58
Water	%	ASTM D6304*	>0.2	0.036		
ppm Water	ppm	ASTM D6304*	>2000	369		
Glycol	%	ASTM D7922*		0.0	NEG	NEG



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Validity of results and interpretation are based on the sample and information as supplied.

Vov12/23 lec8/73

C/C/Ol

0.1

8.0

20.0

15.9

7.74

NEG

NEG

11.2

Jov12/23

ec22/2

lec22/23

C/C/Ol