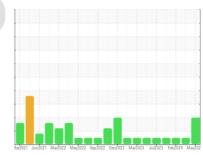


# **OIL ANALYSIS REPORT**

RIG 8 Machine Id R8-G-001

Diesel Engine

**DIESEL ENGINE OIL SAE 30 (--- GAL)** 



Sample Rating Trend



#### DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of particulates present in the oil.

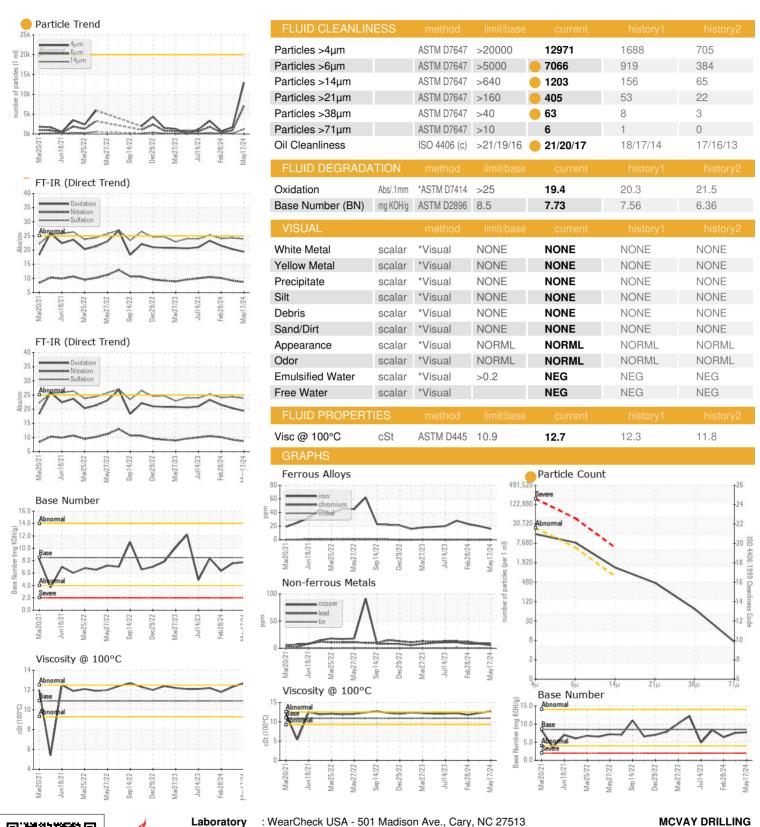
### **Fluid Condition**

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

4m2021 Jun2021 Мm2022 Мm2002 Smp20022 Ом2022 Мm2023 Ju2023 Fm2024 Мm2002						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0014424	KL0013931	KL0013844
Sample Date		Client Info		17 May 2024	29 Mar 2024	28 Feb 2024
Machine Age	days	Client Info		45419	45371	0
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	16	20	23
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	7	<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	2	3
Lead		ASTM D5185m	>40	9	9	12
Copper	ppm	ASTM D5185m	>330	6	8	8
Tin		ASTM D5185m		<1	<1	<1
Vanadium	ppm	ASTM D5185m	>10	<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	ррш		limit/base	-	-	
		method		current	history1	history2
Boron	ppm	ASTM D5185m	250	227	228	110
Barium	ppm	ASTM D5185m	10	<1	0	0
Molybdenum	ppm	ASTM D5185m	100	112	110	95
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	450	677	615	629
Calcium	ppm	ASTM D5185m	3000	1641	1448	1305
Phosphorus	ppm	ASTM D5185m	1150	777	812	735
Zinc	ppm	ASTM D5185m	1350	922	886	882
Sulfur	ppm	ASTM D5185m	4250	3230	2853	2587
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	4
Sodium	ppm	ASTM D5185m	>75	4	1	4
Potassium	ppm	ASTM D5185m	>20	2	3	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	8.7	9.2	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.9	24.3	24.1



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

Unique Number : 11075476 Test Package : MOB 2 ( Additional Tests: PrtCount )

: KL0014424 Received **Tested** : 06208015

: 15 Jun 2024 Diagnosed

: 15 Jun 2024 - Don Baldridge

: 12 Jun 2024

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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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