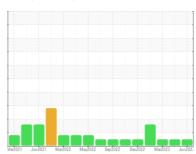


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



RIG 8 Machine Id R8-G-002

Component **Diesel Engine**

DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

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.

		Mar2021 Jun	2021 Mar2022 May20.	22 Sep2022 Dec2022 Mar20	023 Jun202;	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012506	KL0012470	KL0009772
Sample Date		Client Info		15 Jun 2023	19 May 2023	27 Mar 2023
Machine Age	days	Client Info		45090	45063	45007
Oil Age	days	Client Info		0	0	0
Oil Changed	,	Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20	14	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	1	3
Lead	ppm	ASTM D5185m	>40	5	4	3
Copper	ppm	ASTM D5185m	>330	30	27	30
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	195	202	264
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	112	105	114
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	700	658	651
Calcium	ppm	ASTM D5185m	3000	1577	1488	1603
Phosphorus	ppm	ASTM D5185m	1150	766	754	747
Zinc	ppm	ASTM D5185m	1350	918	894	936
Sulfur	ppm	ASTM D5185m	4250	3502	3480	3657
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	4
Sodium	ppm	ASTM D5185m	>216	3	2	2
Potassium	ppm	ASTM D5185m	>20	2	1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.5	9.4	7.8

Sulfation

Abs/.1mm *ASTM D7415 >30

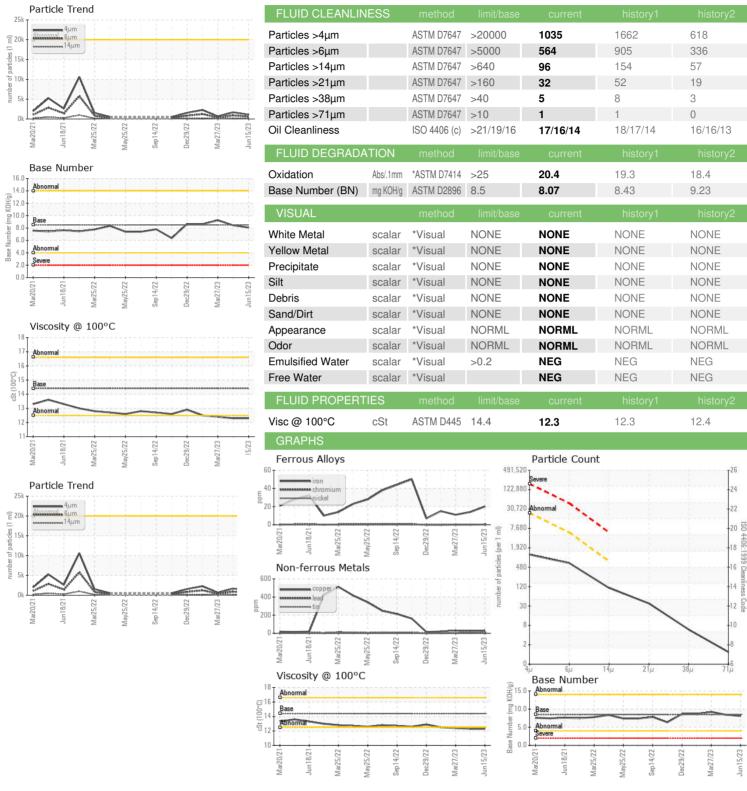
23.5

23.8

21.7



OIL ANALYSIS REPORT







Certificate L2367

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

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

: KL0012506 +05902898

Received Diagnosed : 10564254

: 19 Jul 2023 : 21 Jul 2023 Diagnostician : Don Baldridge

Test Package : MOB 2 (Additional Tests: PrtCount) 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) MCVAY DRILLING

401 E BENDER BLVD HOBBS, NM US 88241

Contact: DOMINIK MENDOZA

Contact/Location: DOMINIK MENDOZA - MCVHOBKL

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