

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 7111 Component **Diesel Engine**

DIESEL ENGINE OIL SAE 15W40 (--- QTS)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

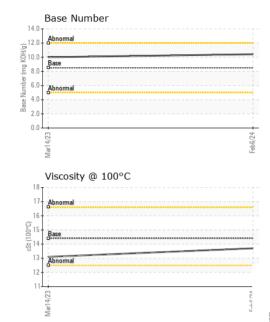
Fluid Condition

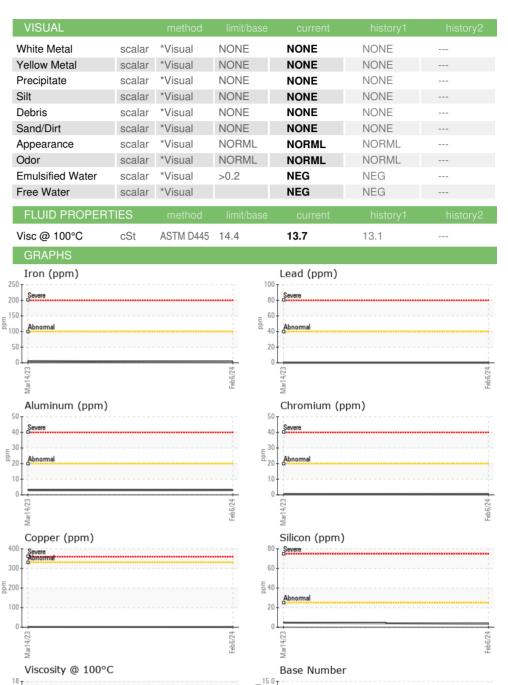
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Mar2023 Feb2024	
SAMPLE INFORMATION method limit/base current history1	l history2
Sample Number Client Info RW0004662 RW0003920)
Sample Date Client Info 06 Feb 2024 14 Mar 2023	3
Machine Age hrs Client Info 531 359	
Oil Age hrs Client Info 150 100	
Oil Changed Client Info Changed Changed	
Sample Status NORMAL NORMAL	
CONTAMINATION method limit/base current history1	l history2
Fuel WC Method >5 <1.0 <1.0	
Water WC Method >0.2 NEG NEG	
Glycol WC Method NEG NEG	
WEAR METALS method limit/base current history1	l history2
Iron ppm ASTM D5185m >100 3 5	
Chromium ppm ASTM D5185m >20 <1	
Nickel ppm ASTM D5185m >4 <1 0	
Titanium ppm ASTM D5185m 0 0	
Silver ppm ASTM D5185m >3 0 0	
Aluminum ppm ASTM D5185m >20 3 3	
Lead ppm ASTM D5185m >40 0 0	
Copper ppm ASTM D5185m >330 1 2	
Tin ppm ASTM D5185m >15 <1 <1	
Vanadium ppm ASTM D5185m 0	
Cadmium ppm ASTM D5185m 0 0	
ADDITIVES method limit/base current history1	l history2
Boron ppm ASTM D5185m 250 8 19	
Barium ppm ASTM D5185m 10 0	
Barium ppm ASTM D5185m 10 0 0 Molybdenum ppm ASTM D5185m 100 58 65	
Molybdenum ppm ASTM D5185m 100 58 65	
Molybdenum ppm ASTM D5185m 1 00 58 65 Manganese ppm ASTM D5185m < 1	
Molybdenum ppm ASTM D5185m 100 58 65 Manganese ppm ASTM D5185m <1	
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Molybdenum ppm ASTM D5185m 100 58 65 Manganese ppm ASTM D5185m <1 <1 Magnesium ppm ASTM D5185m 450 892 828 Calcium ppm ASTM D5185m 3000 1016 1271 Phosphorus ppm ASTM D5185m 1150 937 1026 Zinc ppm ASTM D5185m 1350 1196 1245 Sulfur ppm ASTM D5185m 4250 2889 3885 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m >25 3 5 Sodium ppm ASTM D5185m >158 1 2 Potassium ppm ASTM D5185m >20 <1 0	history2
Molybdenum ppm ASTM D5185m 100 58 65 Manganese ppm ASTM D5185m <1 <1 Magnesium ppm ASTM D5185m 450 892 828 Calcium ppm ASTM D5185m 3000 1016 1271 Phosphorus ppm ASTM D5185m 1150 937 1026 Zinc ppm ASTM D5185m 1350 1196 1245 Sulfur ppm ASTM D5185m 4250 2889 3885 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m >25 3 5 Sodium ppm ASTM D5185m >20 <1 0 INFRA-RED method limit/base current history1	history2 history2
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Molybdenum ppm ASTM D5185m 100 58 65 Manganese ppm ASTM D5185m <1 <1 Magnesium ppm ASTM D5185m 450 892 828 Calcium ppm ASTM D5185m 3000 1016 1271 Phosphorus ppm ASTM D5185m 1150 937 1026 Zinc ppm ASTM D5185m 1350 1196 1245 Sulfur ppm ASTM D5185m 4250 2889 3885 CONTAMINANTS method limit/base current history1 Silicon ppm ASTM D5185m >25 3 5 Sodium ppm ASTM D5185m >20 <1 0 INFRA-RED method limit/base current history1 Soot % % *ASTM D7624 >20 5.8 5.5 Sulfation Abs/.1mm *ASTM D7415 >30 17.4 17.6	history2 history2



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Certificate L2367

Laboratory Sample No.

Lab Number : 06098643 **Unique Number** : 10896873 Test Package : MOB 2

(100°C)

: RW0004662

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Feb 2024 **Tested** : 26 Feb 2024

: 26 Feb 2024 - Wes Davis Diagnosed

mg K0H/a)

0.0

ewking@newkirk-electric.com T: (231)206-6131

NEWKIRK ELECTRIC

1875 ROBERTS ST.

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MUSKEGON, MI

US 49442

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) F: (231)724-4090

Report Id: NEWMUS [WUSCAR] 06098643 (Generated: 02/26/2024 09:50:42) Rev: 1

Contact/Location: ERIC KING - NEWMUS