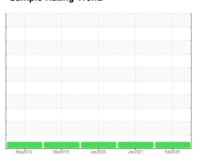


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



WIRTGEN 620

Component

Diesel Engine

**DIESEL ENGINE OIL SAE 15W40 (12 GAL)** 

### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil.

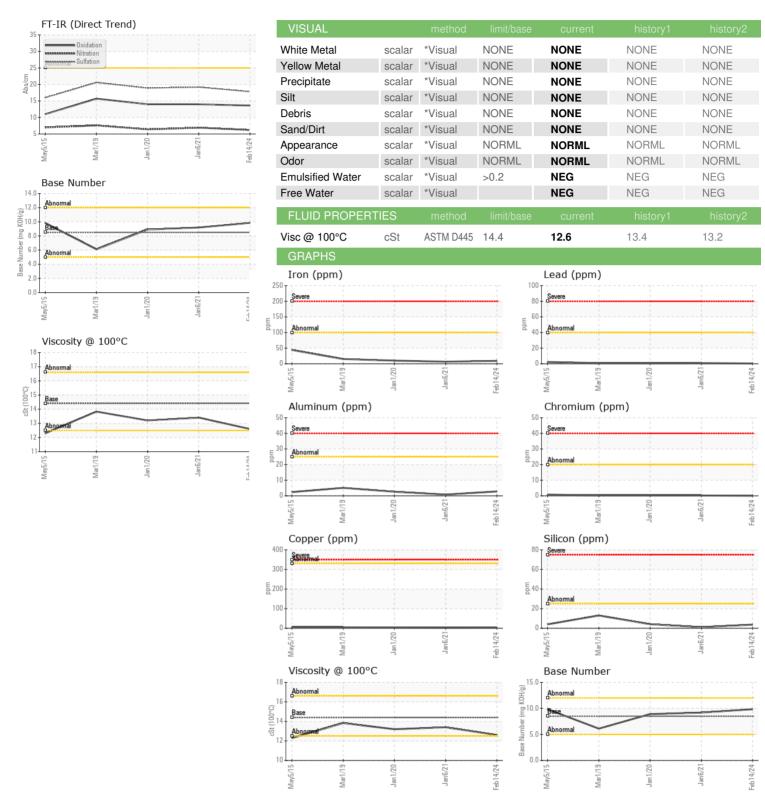
## **Fluid Condition**

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

		May2015	Mar2019	Jan2020 Jan2021	Feb 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005465	RW0001892	RW0000798
Sample Date		Client Info		14 Feb 2024	06 Jan 2021	01 Jan 2020
Machine Age	hrs	Client Info		6712	6464	6375
Oil Age	hrs	Client Info		248	231	142
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	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	9	7	10
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	3
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	4	3	4
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m			<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	23	23	39
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	64	57	85
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	938	781	847
Calcium	ppm	ASTM D5185m	3000	1393	1034	1197
Phosphorus	ppm	ASTM D5185m	1150	1177	939	982
Zinc	ppm	ASTM D5185m	1350	1410	1176	1080
Sulfur	ppm	ASTM D5185m	4250	4316	2527	2556
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	1	4
Sodium	ppm	ASTM D5185m	>158	<1	2	2
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.2	6.9	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	19.2	18.9
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	14	14
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.84	9.19	8.90



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

Lab Number : 06161014 Unique Number : 10996437

Test Package : MOB 2

: RW0005465

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

Received : 25 Apr 2024 **Tested** : 26 Apr 2024 Diagnosed

: 26 Apr 2024 - Wes Davis

HALLACK CONTRACTING, INC. 4223 W POLK HART, MI US 49420

Contact: DAN HALLACK KARL BUTCHER shop@hallackcontracting.com

T: (231)873-5081

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)873-2889