

# **OIL ANALYSIS REPORT**

### Sample Rating Trend

## **NORMAL**



 $\overset{\text{\tiny Machine Id}}{200\text{-}210\text{-}EG\text{-}01}$  - LONG WHARF (S/N 68133208)

Component

**Diesel Engine** 

**DIESEL ENGINE OIL SAE 10W30 (--- GAL)** 

#### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### 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.

		Jul2019	Nov2020	Jul2022 Jan2023	Jul2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0031518	RP0001180	RP0001187
Sample Date		Client Info		20 Jul 2023	10 Jan 2023	27 Jul 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	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	1	2	2
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>40	<1	1	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	36
Tin	ppm	ASTM D5185m	>15	0	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	108	96	125
Barium	ppm	ASTM D5185m	10	2	0	<1
Molybdenum	ppm	ASTM D5185m	100	81	76	64
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	450	104	160	229
Calcium	ppm	ASTM D5185m	3000	2042	2057	1864
Phosphorus	ppm	ASTM D5185m	1150	1006	1040	984

ADDITIVES		memou			HISTORY	HISTOLYZ
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Barium	ppm	ASTM D5185m	10	2	0	<1
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Calcium	ppm	ASTM D5185m	3000	2042	2057	1864
Phosphorus	ppm	ASTM D5185m	1150	1006	1040	984
Zinc	ppm	ASTM D5185m	1350	1180	1338	1184
CONTAMINANTS		method	limit/base	current	history1	history2

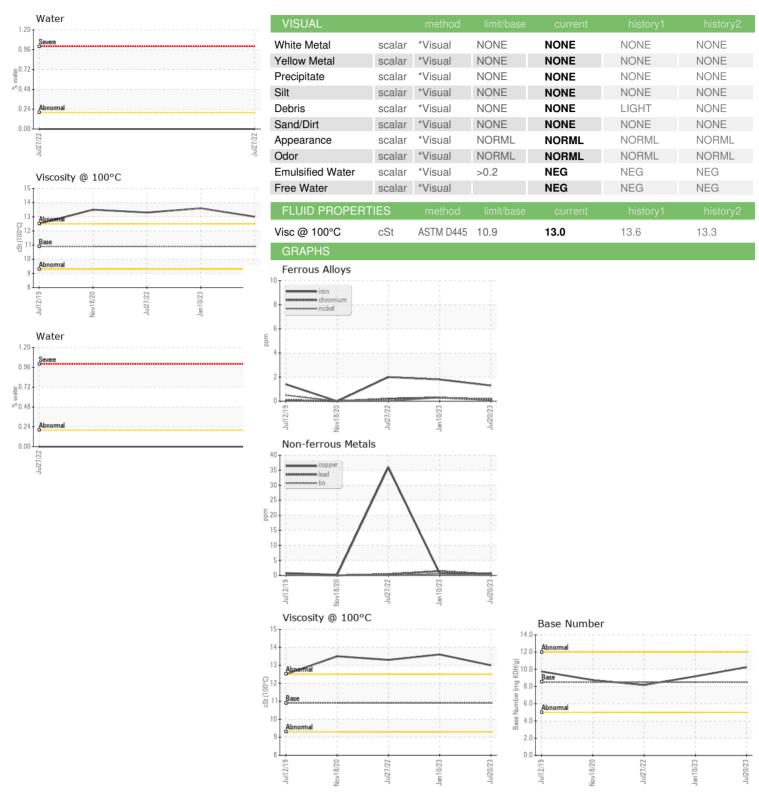
CONTAMINANTS		memou			Thistory i	HISTOLYZ
Silicon	ppm	ASTM D5185m	>25	6	5	5
Sodium	ppm	ASTM D5185m		0	1	3
Potassium	ppm	ASTM D5185m	>20	1	2	2

INFRA-RED		method	limit/base		history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.0	6.6	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.8	17.2	18.6
FLUID DECDARA	TION		12 25 //		111	111

FLUID DEGRADATION		method limit/ba	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.4	12.7	14.1	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	10.24	9.18	8.17	



## **OIL ANALYSIS REPORT**







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

: 05904536 : 10565892

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0031518 Received

Diagnosed

: 26 Jul 2023 Diagnostician : Don Baldridge

: 21 Jul 2023

**Test Package**: IND 2 (Additional Tests: FT-IR, KV100, TBN) 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) **VEOLIA NEWPORT** 250 CONNELL HWY NEWPORT, RI

US 02840 Contact: ANTHONY CALENDA

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