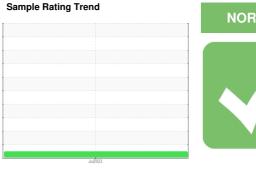


# **OIL ANALYSIS REPORT**







## 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

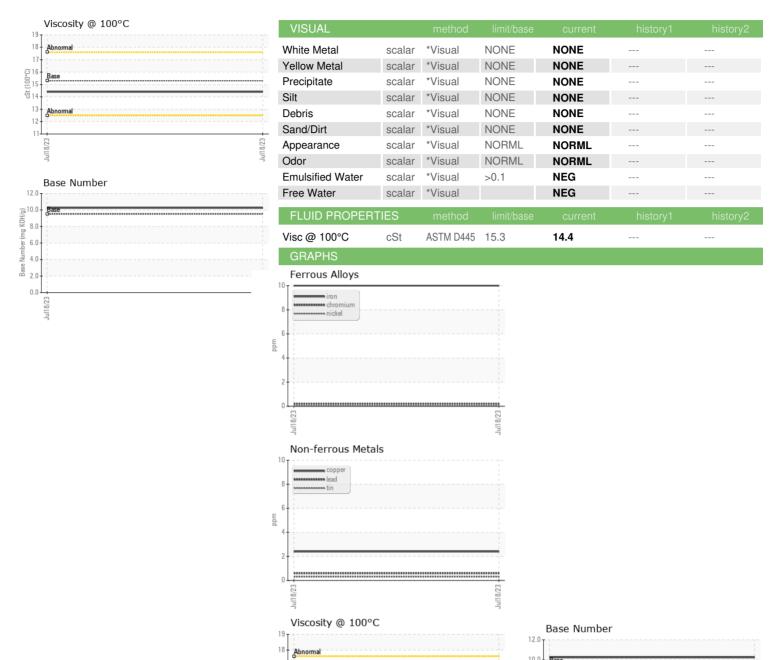
## **Fluid Condition**

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

A 15W40 ( GA	,			Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC05902913		
Sample Date		Client Info		18 Jul 2023		
Machine Age	hrs	Client Info		4818		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>25	10		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		18		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>20	2		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	44		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		31		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	270	121		
Calcium	ppm	ASTM D5185m	1900	3473		
Phosphorus	ppm	ASTM D5185m	1000	1141		
Zinc	ppm	ASTM D5185m	1260	1406		
Sulfur	ppm	ASTM D5185m	3400	5316		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	9.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2		
Base Number (BN)	mg KOH/g	ASTM D2896	9.5	10.25		



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC05902913 : 05902913 : 10564269

<u>e</u>15 ₹ 14 13 12

> Received Diagnosed

: 19 Jul 2023 : 21 Jul 2023 Diagnostician : Sean Felton

(mg K0H/g)

0.0

**SUPERIOR MARINE WAYS** 5852 CO RD 1

SOUTH POINT, OH US 45680

Contact: DARRELL KEARNS

darrellkerns@superiormarineinc.com T: (740)894-6224

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: