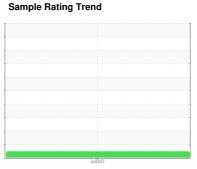


# **OIL ANALYSIS REPORT**



**NORMAL** 



# ENDEAVOR - WINDLASS ANCHOR

**Hydraulic System** 

SHELL TELLUS T46 (30 GAL)

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

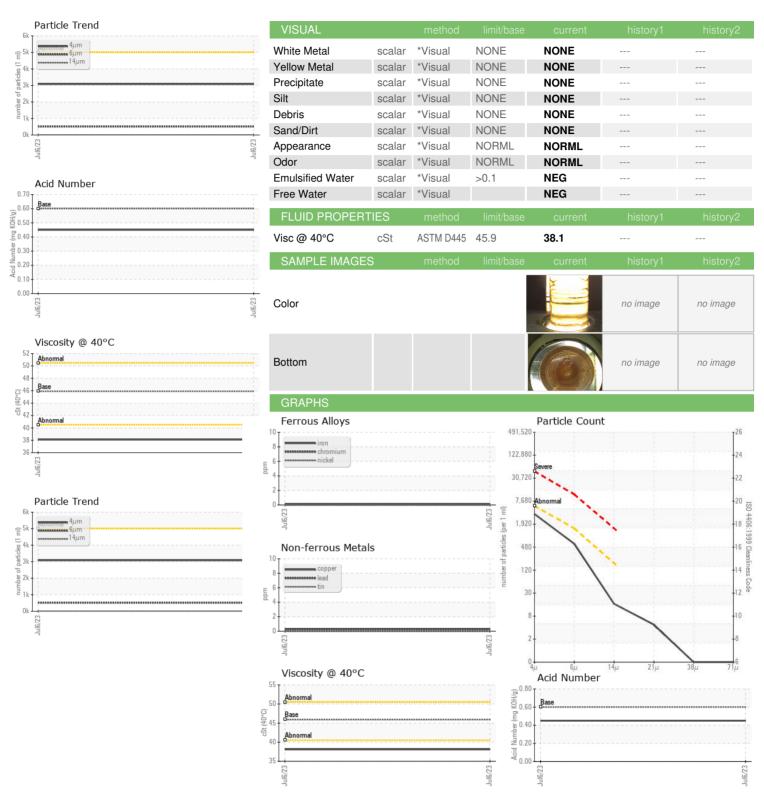
				Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0834564		
Sample Date		Client Info		06 Jul 2023		
Machine Age	hrs	Client Info		150		
Oil Age	hrs	Client Info		150		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	0	0		
Calcium	ppm	ASTM D5185m	48	117		
Phosphorus	ppm	ASTM D5185m	337	422		
Zinc	ppm	ASTM D5185m	426	585		
Sulfur	ppm	ASTM D5185m	2280	1797		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3084		
Particles >6µm		ASTM D7647	>1300	514		
Particles >14µm		ASTM D7647	>160	14		
Particles >21µm		ASTM D7647	>40	4		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/11		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOU/a	ACTM DODAE	C	0.45		

Acid Number (AN) mg KOH/g ASTM D8045 .6

0.45



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number Unique Number

: WC0834564 : 05903731 : 10565087 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jul 2023

Diagnosed : 24 Jul 2023 : Don Baldridge Diagnostician

**CITY EXPERIENCES - SEAWARD EXPLORER** 

2825 5TH AVENUE SAN DIEGO, CA US 92103

Contact: Service Manager

Certificate L2367 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)

T:

F: