

OIL ANALYSIS REPORT

Sample Rating Trend



ENDEAVOR - WINDLASS ANCHOR

Component

Hydraulic System

SHELL TELLUS T46 (30 GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

			Jul2023	0ct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	VIZTIOIN		IIIIIIIIIII			
Sample Number		Client Info		WC0847395	WC0834564	
Sample Date	la con	Client Info		21 Oct 2023	06 Jul 2023	
Machine Age	hrs	Client Info		154	150	
Oil Age	hrs	Client Info		0	150	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	<1	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	0	<1	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	0	<1	0	
Calcium	ppm	ASTM D5185m	48	107	117	
Phosphorus	ppm	ASTM D5185m	337	418	422	
Zinc	ppm	ASTM D5185m	426	580	585	
Sulfur	ppm	ASTM D5185m	2280	1464	1797	
CONTAMINANTS	S _	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	
Sodium	ppm	ASTM D5185m		<1	1	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID CLEANLIN	NESS _	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4863	3084	
Particles >6µm		ASTM D7647		813	514	
Particles >14µm		ASTM D7647	>1600	21	14	
Particles >21μm		ASTM D7647		6	4	
Particles >38μm		ASTM D7647	>10	1	0	
Particles >71μm		ASTM D7647		1	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/12	19/16/11	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g		.6	0.36	0.45	
, tota (AIV)	my normy	, 10 TWI D0040	.0	0.00	0.40	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WC0847395 : 06013237 : 10752381 Test Package : MAR 2

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

: 21 Nov 2023 Diagnosed : Wes Davis Diagnostician

CITY EXPERIENCES - SEAWARD EXPLORER

2825 5TH AVENUE SAN DIEGO, CA US 92103

Contact: Service Manager

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)

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