

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



SIMPLEX CAL013

Component

Sterntube

VICKERS HYDROX BIO 100 (400 LTR)

DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition.

Wear

Iron and titanium ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

Contamination

There is no indication of any contamination in the

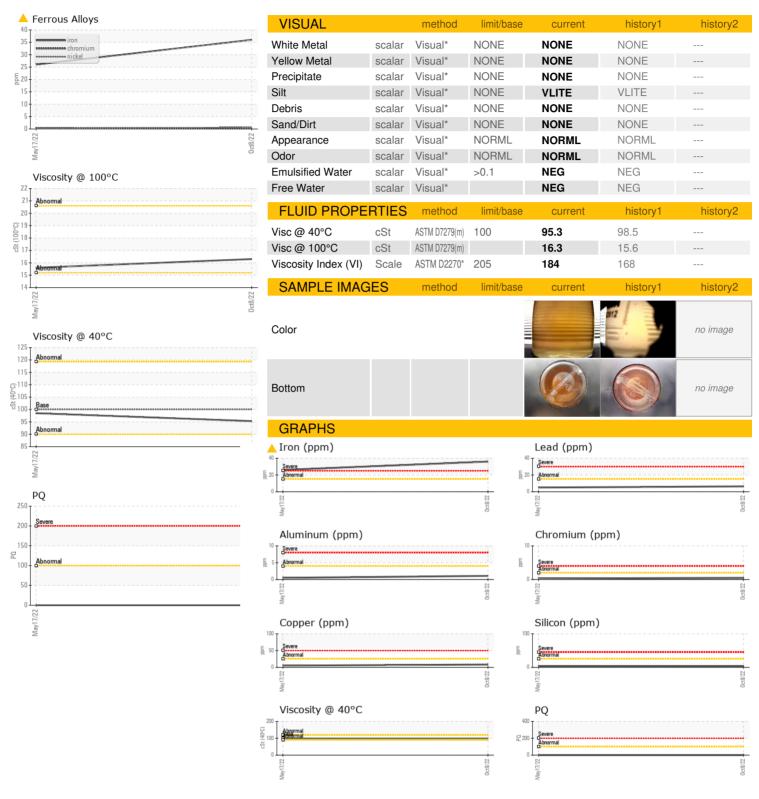
Fluid Condition

The condition of the oil is acceptable for the time in service.

			May2022	0ct2022		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0011796	PC0052812	
Sample Date		Client Info		08 Oct 2022	17 May 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Not Changd	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	
Iron	ppm	ASTM D5185(m)	>15	<u></u> 436	<u>^</u> 26	
Chromium	ppm	ASTM D5185(m)	>2	<1	<1	
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	
Titanium	ppm	ASTM D5185(m)	>8	<u> </u>	<u> </u>	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>4	1	<1	
Lead	ppm	ASTM D5185(m)	>15	6	5	
Copper	ppm	ASTM D5185(m)	>25	8	5	
Tin	ppm	ASTM D5185(m)	>10	2	1	
Antimony	ppm	ASTM D5185(m)		0	<1	
Vanadium	ppm	ASTM D5185(m)		<1	<1	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		4	1	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)		3	2	
Calcium	ppm	ASTM D5185(m)		5	4	
Phosphorus	ppm	ASTM D5185(m)		741	642	
Zinc	ppm	ASTM D5185(m)		8	4	
Sulfur	ppm	ASTM D5185(m)		1549	1445	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	4	
Sodium	ppm	ASTM D5185(m)		20	18	
Potassium	ppm	ASTM D5185(m)	>20	1	<1	



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CALA ISO 17025:2017 Accredited Laboratory

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

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: PC0011796 . 02532364

: 5513363 Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)

Recieved : 10 Jan 2023 Diagnosed Diagnostician : Kevin Marson

: 11 Jan 2023

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Ocean Choice International - MV Calvert 1315 Topsail Rd, P.O. Box 8190 St. John's, NL

CA A1B 3N4

Contact: Calvert Engine Control Room calvertengine@oceanchoice.com T:

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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