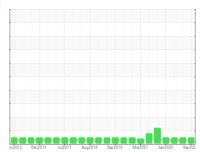


OIL ANALYSIS REPORT

CHEATHAM ANNEX **2BHT CRANE 2B**

Component **Hydraulic System**

MOBIL DTE 10 EXCEL 68 (680 LTR)



Sample Rating Trend



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 oil. The amount and size of particulates present in the system are acceptable.

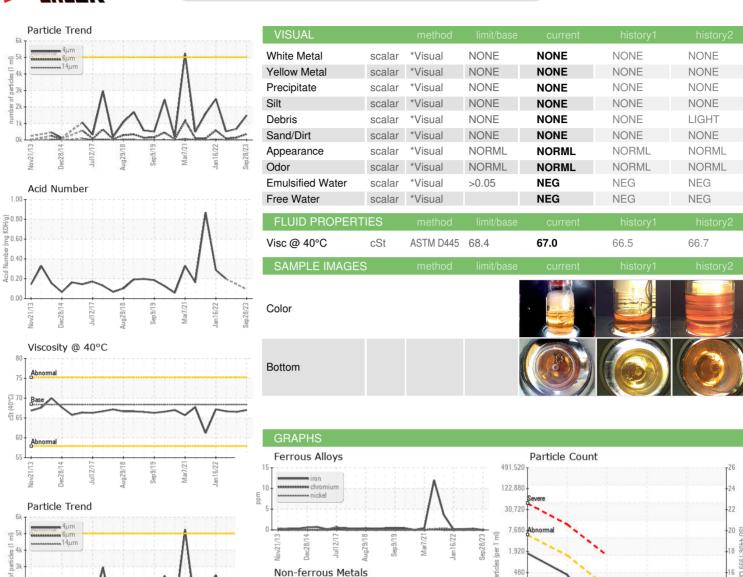
Fluid Condition

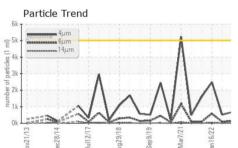
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

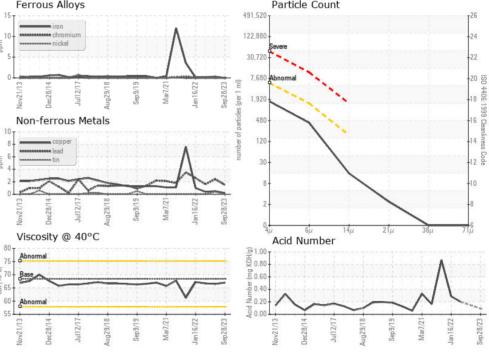
CAMPLE INCOR	AATION	ov2013 Dec	2014 Jul2017 Aug201		·	la i a la com
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0573825	WC0752727	WC0573805
Sample Date		Client Info		28 Sep 2023	22 Jan 2023	24 Apr 2022
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	<1	<1	<1
Lead	ppm	ASTM D5185m	>20	2	2	2
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		3	1	0
Calcium	ppm	ASTM D5185m		100	106	111
Phosphorus	ppm	ASTM D5185m		440	481	470
Zinc	ppm	ASTM D5185m		65	92	81
Sulfur	ppm	ASTM D5185m		2245	2978	2202
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm		>15	1	2	1
Sodium	ppm	ASTM D5185m	>10	<1	1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
	• •					
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1494	670	523
Particles >6µm		ASTM D7647		362	141	85
Particles >14μm		ASTM D7647	>160	13	8	6
Particles >21µm		ASTM D7647		2	1	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/11	17/14/10	16/14/10
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.093		0.198



OIL ANALYSIS REPORT











Certificate L2367

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

: IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0573825 : 05965344 : 10671895

Diagnosed Diagnostician

Received : 29 Sep 2023 : 02 Oct 2023 : Don Baldridge **CARGOTEC MARINE - MACGREGOR**

525 BYRON ST, SUITE B CHESAPEAKE, VA US 23320

Contact: TARMO MAGI

tarmo.magi@macgregor.com T: (757)558-4584

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

F: (757)558-4581