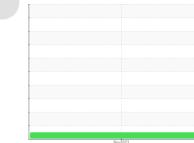


## **OIL ANALYSIS REPORT**

# {UNASSIGNED} MCQUAY Hartland H.S. (S/N STNU020600188)

Centrifugal Compressor

POE 46 (--- GAL)



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

### Fluid Condition

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

				Nov2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0618920		
Sample Date		Client Info		07 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>50	<1		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	6		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		240		
Zinc	ppm	ASTM D5185m		8		
Sulfur	ppm	ASTM D5185m		39		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.1	0.004		
ppm Water	ppm	ASTM D6304	>1000	43		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

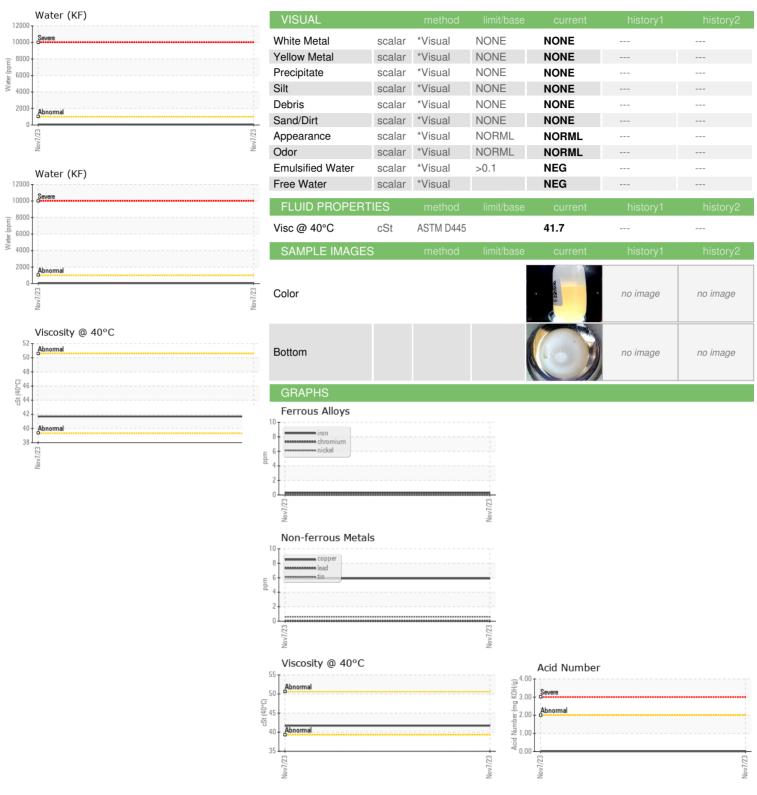
0.015

Acid Number (AN)

mg KOH/g ASTM D8045



## **OIL ANALYSIS REPORT**







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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0618920 : 06027818

: 10777609

Received Diagnosed Diagnostician : Don Baldridge

: 07 Dec 2023 : 09 Dec 2023

Test Package : IND 2 (Additional Tests: KF)

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)

THERMALNETICS, INC

3955 PINNACLE COURT SUITE 200 AUBURN HILLS, MI

US 48326 Contact: GARY WATSON garyw@thermalnetics.com

T: (248)276-3351

Submitted By: SHELLY MANN

F: