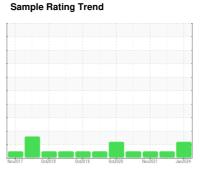


OIL ANALYSIS REPORT

NORTH PLANT **SULLAIR NP-COMP 02 (S/N 201407180014)**

Compressor

ULTRACHEM PALEXTRA 44 (5 QTS)





Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		Nov2017	Oct2018 Oct2019	Oct2020 Nov2021	Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0884869	WC0696325	WC0629912
Sample Date		Client Info		10 Jan 2024	18 May 2022	02 Nov 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
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	<1	<1
Barium	ppm	ASTM D5185m	0.3	0	35	36
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m	0.3	0	0	0
Magnesium	ppm	ASTM D5185m	0.4	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	689	349	341	313
Zinc	ppm	ASTM D5185m	0	0	3	2
Sulfur	ppm	ASTM D5185m	1237	148	236	231
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	4	<1
Sodium	ppm	ASTM D5185m		36	41	46
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	%	ASTM D6304	>0.1	NEG	NEG	NEG
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	13246		
Particles >6µm		ASTM D7647	>2500	3074		
Particles >14µm		ASTM D7647	>320	99		
Particles >21µm		ASTM D7647	>80	18		
Particles >38µm		ASTM D7647	>20	1		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/19/14		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	ma K∩U/a	ΔSTM D8045	0.105	0.34	0.24	N 189

Acid Number (AN)

mg KOH/g ASTM D8045 0.135

0.24

0.34

0.189



OIL ANALYSIS REPORT







Certificate L2367

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

: WC0884869 : 06058056

: PLANT

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

: 10829438

Diagnosed Diagnostician

: 12 Jan 2024 : Doug Bogart

NEW YORK MILLS, MN US 56567 Contact: TODD PITMAN

todd.pitman@lundboats.com

T:

* - 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)

F: