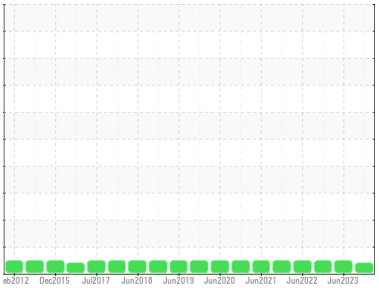
PROBLEM SUMMARY

Sample Rating Trend



VIS DEBRIS

Machine Id
MYCOM SC-4 PRO-V NORTH (S/N 2210218)
Component
Refrigeration Compressor
Fluid
MYCOM MYCOLD AB68 (--- GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

This is a baseline read-out on the submitted sample.
FTIR matches baseline sample.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	NORMAL
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE

Customer Id: NORLEMNOR
Sample No.: USP242154
Lab Number: 06014686
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

08 Jun 2023 Diag: Doug Bogart

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

08 Dec 2022 Diag: Doug Bogart

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

09 Jun 2022 Diag: Doug Bogart

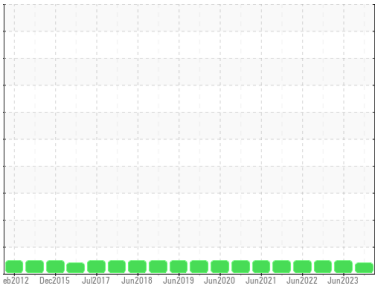
NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS

Machine Id
MYCOM SC-4 PRO-V NORTH (S/N 2210218)
Component
Refrigeration Compressor
Fluid
MYCOM MYCOLD AB68 (--- GAL)

DIAGNOSIS

Recommendation
This is a baseline read-out on the submitted sample. FTIR matches baseline sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**USP242154**	USP250025	USP247422
Sample Date		Client Info		**16 Nov 2023**	08 Jun 2023	08 Dec 2022
Machine Age	hrs	Client Info		**50324**	46983	42956
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	NORMAL	NORMAL

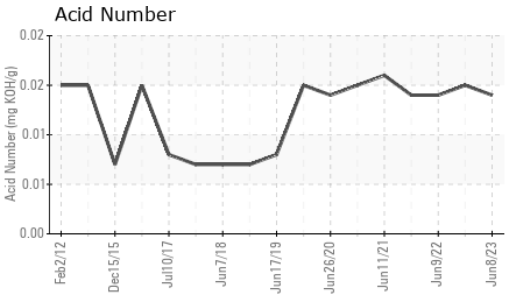
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	---	0	0
Chromium	ppm	ASTM D5185m	>2	---	0	0
Nickel	ppm	ASTM D5185m		---	0	0
Titanium	ppm	ASTM D5185m		---	0	0
Silver	ppm	ASTM D5185m	>2	---	0	0
Aluminum	ppm	ASTM D5185m	>3	---	0	0
Lead	ppm	ASTM D5185m	>2	---	0	0
Copper	ppm	ASTM D5185m	>8	---	0	0
Tin	ppm	ASTM D5185m	>4	---	0	0
Vanadium	ppm	ASTM D5185m		---	0	0
Cadmium	ppm	ASTM D5185m		---	0	0

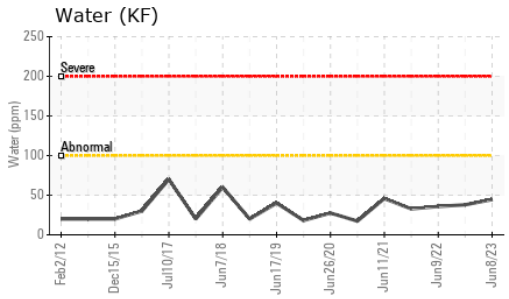
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		---	0	0
Barium	ppm	ASTM D5185m		---	0	0
Molybdenum	ppm	ASTM D5185m		---	0	0
Manganese	ppm	ASTM D5185m		---	0	0
Magnesium	ppm	ASTM D5185m		---	0	0
Calcium	ppm	ASTM D5185m		---	0	0
Phosphorus	ppm	ASTM D5185m	2.3	---	0	0
Zinc	ppm	ASTM D5185m		---	0	0
Sulfur	ppm	ASTM D5185m	26	---	0	0

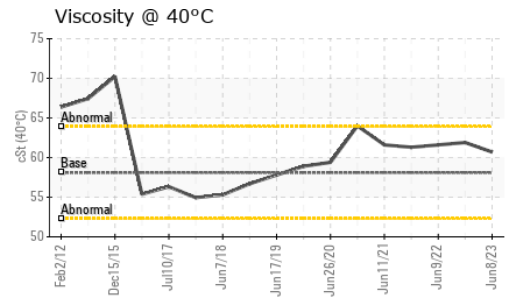
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	---	4	<1
Sodium	ppm	ASTM D5185m		---	0	0
Potassium	ppm	ASTM D5185m	>20	---	1	1
Water	%	ASTM D6304	>0.01	**NEG**	0.004	0.003
ppm Water	ppm	ASTM D6304	>100	---	44.5	37.9

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		**0**	---	---
Nitration	Abs/cm	*ASTM D7624		**4.7**	---	---
Sulfation	Abs/.1mm	*ASTM D7415		**15.9**	---	---

OIL ANALYSIS REPORT





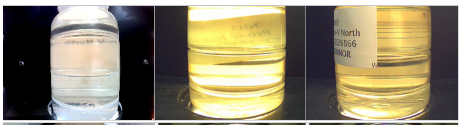


FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		---	4875	2154
Particles >6µm		ASTM D7647	>2500	---	1218	563
Particles >14µm		ASTM D7647	>320	---	38	22
Particles >21µm		ASTM D7647	>80	---	8	5
Particles >38µm		ASTM D7647	>20	---	0	0
Particles >71µm		ASTM D7647	>4	---	0	0
Oil Cleanliness		ISO 4406 (c)	>--/18/15	---	19/17/12	18/16/12

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		**6.6**	---	---
Acid Number (AN)	mg KOH/g	ASTM D974		---	0.014	0.015

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	58.09	---	60.7	61.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP242154 **Received** : 21 Nov 2023
Lab Number : 06014686 **Diagnosed** : 22 Nov 2023
Unique Number : 10753830 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: FT-IR)

Certificate L2367

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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