

OIL ANALYSIS REPORT

ČARRIER 3919Q26057(1A)

Analyse D'Huile Ch#1 Circ A [0068795-H0652]

WATER

Sample Rating Trend



Fluid **REFRIGERATION OIL (POE) (--- GAL)**

	AC		01	0
וט	AG	INU	51	5
	10			0

Recommendation

If not recently done change any filter driers to reduce moisture level. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Component Chiller

Wear

All component wear rates are normal.

Contamination

The elevated moisture content is associated with POE oils which are hygroscopic, and can absorb moisture from sampling and processing.

Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GTT0001308	GTT12549	
Sample Date		Client Info		03 Nov 2023	13 Jun 2022	
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>8	1	1	
Chromium	ppm	ASTM D5185(m)	>2	0	<1	
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>3	<1	<1	
Lead	ppm	ASTM D5185(m)	>2	4	<1	
Copper	ppm	ASTM D5185(m)	>8	3	1	
Tin	ppm	ASTM D5185(m)	>4	0	<1	
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	1		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	10	0		
Phosphorus	ppm	ASTM D5185(m)	250	45		
Zinc	ppm	ASTM D5185(m)	0	2	<1	
Sulfur	ppm	ASTM D5185(m)	400	12		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	33		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	5		
ppm Water	ppm	ASTM D6304*	>200	502	180	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.07	0.05	0.007	



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		147		
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



 Lab Number
 : 02606382
 Diagnosed
 : 12 Jan 2024

 Unique Number
 : 5707468
 Diagnostician
 : Bill Quesnel

 Test Package
 : IND 2 (Additional Tests: KV40)
 : Bill Quesnel

 To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

 Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

: 03 Jan 2024

Recieved

Baulne Inc 1850 32nd Avenue Montreal, QC CA H8T 3J7 Contact: Paula Carvalho pcarvalho@baulne.ca T: (514)422-0444 F:

Sample No.

: GTT0001308

Contact/Location: Paula Carvalho - GTT0000213