

OIL ANALYSIS REPORT

Sample Rating Trend





CEGEP Levis [GTT224-474 1-1329481] TRANE L90A-00342 Chiller

Fluid REFRIG COMP OIL ISO 32 (--- GAL)

Recommendation

DIAGNOSIS

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) REFRIG COMP OIL ISO 32. Please confirm.

Area

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

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		GTT0001130		
Sample Date		Client Info		24 Apr 2024		
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 D5185(m)	>8	<1		
Chromium	ppm	ASTM D5185(m)	>2	0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>3	0		
Lead	ppm	ASTM D5185(m)	>2	0		
Copper	ppm	ASTM D5185(m)	>8	8		
Tin	ppm	ASTM D5185(m)	>4	0		
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)	5	<1		
Barium	ppm	ASTM D5185(m)	5	0		
Molybdenum	ppm	ASTM D5185(m)	5	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	5	0		
Calcium	ppm	ASTM D5185(m)	12	0		
Phosphorus	ppm	ASTM D5185(m)	12	4		
Zinc	ppm	ASTM D5185(m)	12	12		
Sulfur	ppm	ASTM D5185(m)	1000	15		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	0		
ppm Water	ppm	ASTM D6304*	>100	<10		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.06		



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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	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	32	35.2		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom				\bigcirc	no image	no image



Sample No. : GTT0001130 Received : 02 Jul 2024 Société de Contrôles Johnson Canada, 765 Ave Godin Lab Number : 02645088 Tested : 05 Jul 2024 Québec, QC Unique Number : 5802627 Diagnosed : 05 Jul 2024 - Bill Quesnel CA G1M 2W8 Test Package : IND 2 (Additional Tests: KF, TAN Man) Contact: Service Manager 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.

Report Id: GTT0000202 [WCAMIS] 02645088 (Generated: 07/05/2024 18:06:08) Rev: 1

Contact/Location: Service Manager - GTT0000202

T:

F:

Johnson Controls- Quebec