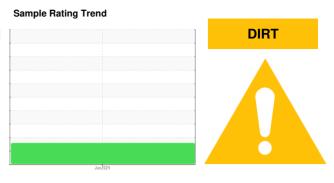


OIL ANALYSIS REPORT

DOMTAR 851-653-1 [GTT224-445 DOMTAR] TRANE DOMTAR 851-653-1

Chiller

TRANE 0045 (--- GAL)



DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

The water content is negligible. High silicon level indicates possible contamination with siliconebased oil or silicone-based fitting compound/grease. Advise investigate any possible cross-contamination with silicone-based oil, or any points that are sealed/greased with silicone-based compound/grease.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GTT0003256		
Sample Date		Client Info		03 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>8	0		
Chromium	ppm	ASTM D5185(m)	>2	0		
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	0		
Lead	ppm	ASTM D5185(m)	>2	0		
Copper	ppm	ASTM D5185(m)	>8	<1		
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)		0		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		0		
Calcium	ppm	ASTM D5185(m)		0		
Phosphorus	ppm	ASTM D5185(m)		<1		
Zinc	ppm	ASTM D5185(m)		<1		
Sulfur	ppm	ASTM D5185(m)		329		
Lithium	ppm	ASTM D5185(m)		<1		
Lithium CONTAMINANTS	ppm	ASTM D5185(m) method	limit/base	<1 current	history1	history2
	ppm	. ,	limit/base >15		history1	
CONTAMINANTS	ppm	method		current		history2
CONTAMINANTS Silicon	ppm ppm	method ASTM D5185(m)		current 17		history2
CONTAMINANTS Silicon Sodium	ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m)	>15	current 17		history2
CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>15 >20	current 17 0 0		history2



OIL ANALYSIS REPORT

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)	68	49.7		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						



 Sample No.
 : GTT0003256
 Received
 : 14 Jun 2024

 Lab Number
 : 02642232
 Tested
 : 24 Jun 2024

 Unique Number
 : 5799771
 Diagnosed
 : 24 Jun 2024 - Bill Quesnel

 Test Package
 : IND 2 (Additional Tests: KV40)

CA J1N 2B1 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.

Contact/Location: Service Manager - GTT0000040

Report Id: GTT0000040 [WCAMIS] 02642232 (Generated: 06/24/2024 12:19:17) Rev: 1

T:

F:

Bridair Inc.

4704 boul Bertrand

Rock Forest, QC