

Machine Id

141446 - TG 42 Component Gearbox Fluid EP 90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

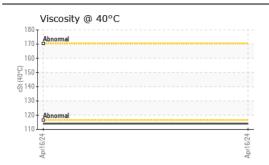
There is no indication of any contamination in the oil.

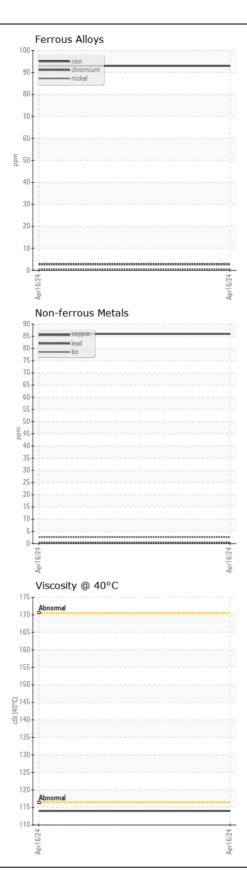
## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LM0000962		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		7672		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		
Iron			. 200	02		
Chromium	ppm	ASTM D5185m	>200	93		
	ppm	ASTM D5185m	>10	3		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	. 05	<1		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>200	86		
Tin	ppm	ASTM D5185m	>10	3		
Vanadium	ppm	ASTM D5185m	NONE	<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>50	4		
Potassium	ppm	ASTM D5185m	>20	2		
Water		WC Method	>0.2	NEG		
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		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m		4		
Boron	ppm	ASTM D5185m		9		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		5		
Magnesium	ppm	ASTM D5185m		24		
Calcium	ppm	ASTM D5185m		62		
Phosphorus	ppm	ASTM D5185m		1048		
Zinc	ppm	ASTM D5185m		54		
Sulfur	ppm	ASTM D5185m		25472		
Visc @ 40°C	cSt	ASTM D445		114		

Contact/Location: RONNY FUNK - LIEHIA





LIEBHERR USA CO - Maritime Cranes 15101 NW 112TH AVE HIALEAH GARDENS, FL Ia US 33018 Contact: RONNY FUNK ronny.funk@liebherr.com T: (305)817-7566 CGM 106:2012) F:



 Unique Number
 : 11046584
 Diagnosed
 : 30 May 2024 - Angela Borella

 Certificate 12367
 Test Package
 : CONST
 Co

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

 \* - 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)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Tested

: 23 May 2024

: 30 May 2024

Laboratory

Sample No.

Lab Number : 06189832

: LM0000962

Contact/Location: RONNY FUNK - LIEHIA Page 2 of 2