

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

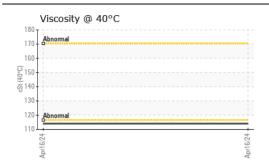
There is no indication of any contamination in the oil.

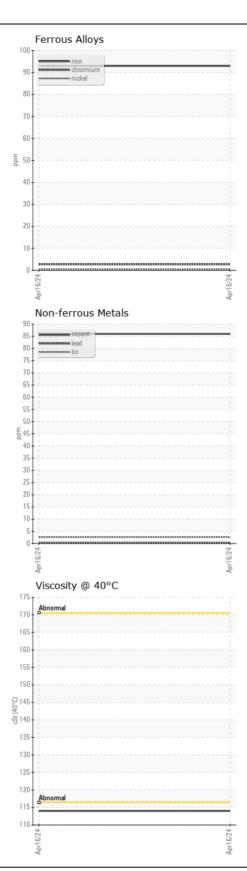
FLUID CONDITION

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