

OIL ANALYSIS REPORT



Machine Id HOMO 2 Component Gearbox Fluid GEAR OIL FG ISO 220 (--- GAL)

DIAGNOSIS

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. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The oil viscosity is lower than normal. Confirmed. The AN level is acceptable for this fluid.

SAMPLE INFORM	ATION	method	limit/base	current	history i	nistory2
Sample Number		Client Info		USP0012862		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status						
Campic Claus				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	7		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	nom	ASTM D5185m		-1		
Aluminum	nnm	ASTM D5185m	>25	~1		
Lead	nnm	ASTM D5185m	>100	~1		
Connor	ppm	AGTM D5185m	>200	-1		
Тір	ppm	AGTM D5105m	>200	<1 .1		
Vanadium	ppm	ACTM DE105m	>20	<1		
Variadium	ррп			<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	<1		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	5	<1		
Calcium	ppm	ASTM D5185m	12	0		
Phosphorus	ppm	ASTM D5185m	400	568		
Zinc	ppm	ASTM D5185m	12	0		
Sulfur	ppm	ASTM D5185m	750	678		
CONTAMINANTS		method	limit/base	current	history1	history2
			50	current	history	matoryz
Silicon	ppm	ASTM D5185m	>50	1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.2	0.119		
ppm Water	ppm	ASTM D6304	>2000	1190		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	722		
Particles >6µm		ASTM D7647	>5000	393		
Particles >14µm		ASTM D7647	>640	67		
Particles >21µm		ASTM D7647	>160	23		
Particles >38um		ASTM D7647	>40	3		
Particles >71um		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	17/16/13		
		mothed	limit/boos	ourrent	biotoryd	biotomyQ
FLUID DEGRADA		method	mini/base	current	nistory	nistory2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.33		



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate 12367

Contact/Location: Service Manager - CARLAKMI

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